

Converting Colors

XYZ(85.1567, 92.0077,
107.8788)

Have a look what the booklet for
XYZ(85.1567, 92.0077, 107.8788)
contains.

XYZ(85.2044, 92.1272, 107.8993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.2044, 92.1272,
107.8993)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F9FF
RGB	232, 249, 255
RGB Percent	91%, 98%, 100%
CMY	0.0902, 0.0235, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	196°, 100%, 95%
HSV	196°, 9%, 100%
XYZ	85.2044, 92.1272, 107.8993
YIQ	244.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

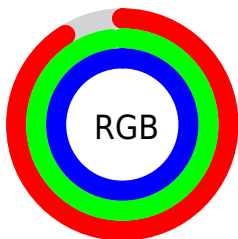
Format	Color
R _Y B	232, 242, 255
Decimal	15268351
CIE Lab	96.87, -4.41, -4.79
CIE LCh	97, 6.510, 227.355
Yxy	92.1272, 0.2987, 0.3230
Android (android.graphics.Color)	4293458431 (0xFFE8F9FF)
YUV	244.6010, 5.1267, -11.0511
Hunter-Lab	95.9829, -9.5150, 0.5371

Details

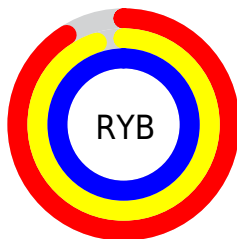
The XYZ color **85.2044, 92.1272, 107.8993** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.3793, 88.2333, 88.8235**, and the grayscale version is **86.4398, 90.9414, 99.0351**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1675, 51.4473, 60.8704** is the 20% darker color. If you saturate the color by 10%, you get **75.5023, 84.1320, 106.8674**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

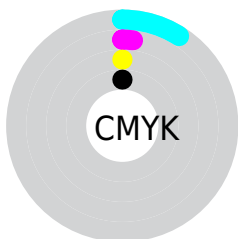
Distribution



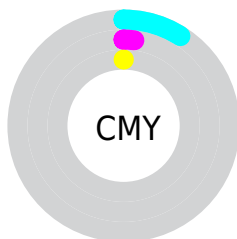
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2044, 92.1272, 107.8993 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 85.2044, 92.1272, 107.8993 by changing the saturation by 10% instead.

85.2044, 92.1272,
107.8993

85.2044, 92.1272,
107.8993

500.7777,
534.9265, 606.6941

64.3333, 69.7463,
82.2602

139.5713,
150.2897, 174.1172

47.1834, 51.3197,
61.0430

173.7978,
186.8400, 215.5332

33.3892, 36.4631,
43.8291

213.2069,
228.8823, 263.0451

22.5854, 24.7921,
30.1999

258.1638,
276.8009, 317.0716

14.4067, 15.9222,
19.7371

309.0340,
330.9802, 378.0312

8.4877, 9.4691,
12.0219

366.1828,

4.4630, 5.0484,

391.8047, 446.3425

6.6359

429.9756,
459.6587, 522.4239

■ 1.9672, 2.2757,
3.1605

■ 0.6155, 0.7608,
1.1771

■ 85.2044, 92.1272,
107.8993

■ 85.2044, 92.1272,
107.8993

■ 75.5023, 84.1320,
106.8674

95.0500, 100.0000,
108.9000

■ 67.0193, 76.8694,
105.9127

■ 59.7017, 70.3134,
105.0330

■ 53.4890, 64.4315,
104.2251

■ 48.3150, 59.1885,
103.4858

■ 44.1060, 54.5452,
102.8114

■ 40.7780, 50.4570,
102.1977

■ 38.2312, 46.8714,
101.6398

■ 36.3190, 43.7116,
101.1307

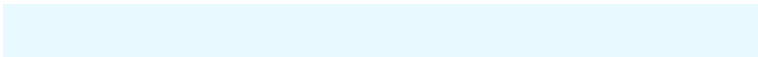
Harmonies

Analogous

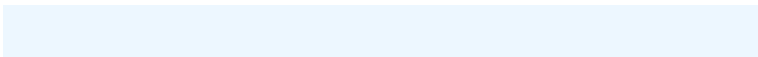
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2518, 92.1272, 103.3437



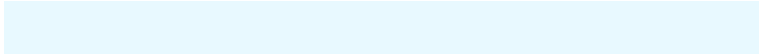
85.2044, 92.1272, 107.8993



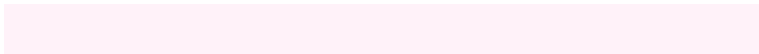
86.7969, 92.1272, 110.4575

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2044, 92.1272, 107.8993



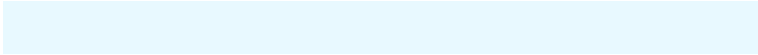
91.0389, 92.1272, 102.5307



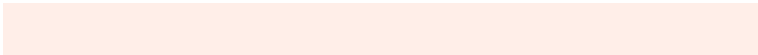
86.5198, 92.1272, 91.0059

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



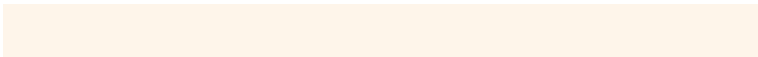
85.2044, 92.1272, 107.8993



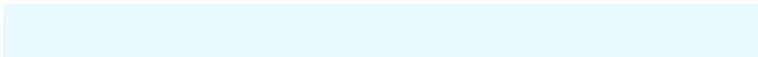
86.3793, 88.2333, 88.8235

Split Complementary

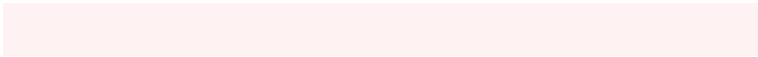
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3359, 92.1272, 90.8054



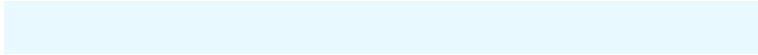
85.2044, 92.1272, 107.8993



90.9622, 92.1272, 97.3379

Square

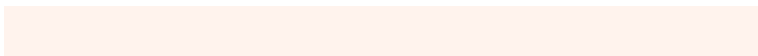
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



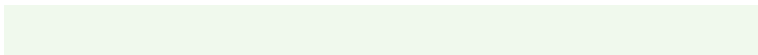
85.2044, 92.1272, 107.8993



90.1752, 92.1272, 107.2863



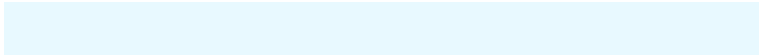
89.9671, 92.1272, 93.0868



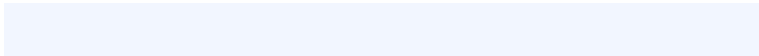
85.0040, 92.1272, 93.6445

Rectangle

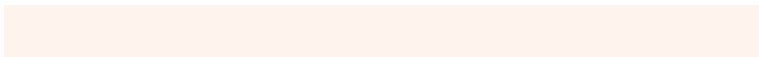
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



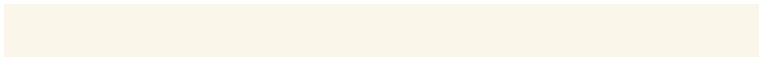
85.2044, 92.1272, 107.8993



88.0149, 92.1272, 110.6297



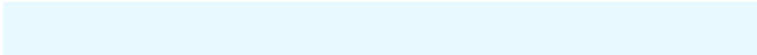
89.9671, 92.1272, 93.0868



87.1149, 92.1272, 90.6545

Sweetspot

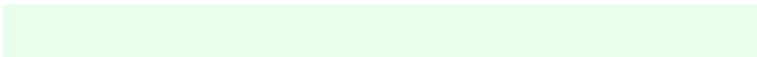
The Sweet Spot groups the original color and five complimentary colors.



85.2068, 92.1310, 107.8999



91.6585, 97.3122, 108.5600



84.4355, 94.8346, 94.5524



19.4289, 20.6776, 23.2171



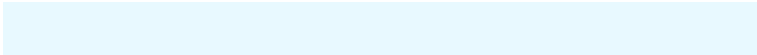
0.0000, 0.0000, 0.0000



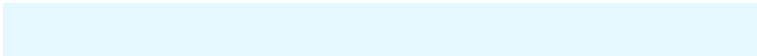
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2068, 92.1310, 107.8999



83.1846, 90.4863, 107.6891



81.8316, 85.3806, 106.7749



18.1307, 19.6329, 23.0839



19.0156, 22.9407, 52.8604



1.9402, 2.4110, 5.1764

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



87.1969, 85.8143, 101.5951



85.5904, 82.9288, 100.0497



89.7590, 94.9927, 89.9501



18.5786, 18.2148, 21.6640



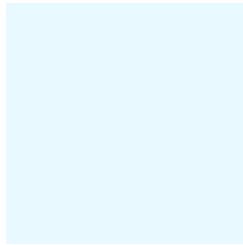
26.3864, 13.0438, 26.4829



2.6139, 1.2879, 2.8143

Previews

White Background



This preview shows how the XYZ color 85.2044, 92.1272, 107.8993 looks on a white background.

Color Contrast Check

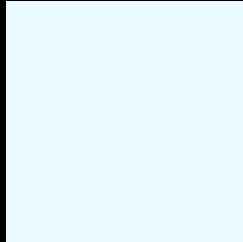
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 85.2044, 92.1272, 107.8993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

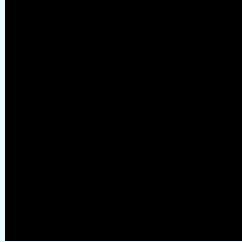
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.2044, 92.1272, 107.8993

Background



This preview shows how black text looks on a background with the XYZ color 85.2044, 92.1272, 107.8993.



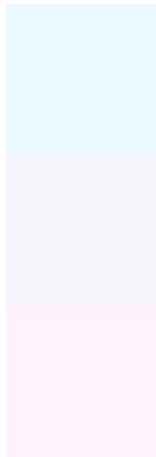
This preview shows how white text looks on a background with the XYZ color 85.2044, 92.1272,

107.8993.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.2044, 92.1272, 107.8993

Protanopia

88.6328, 91.6861, 105.1212

Deuteranopia

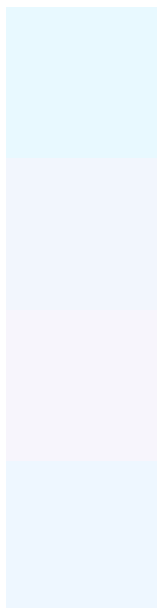
90.4047, 91.7293, 104.2075



Tritanopia

87.2814, 91.8323, 107.7329

Trichromacy



Original Color

85.2044, 92.1272, 107.8993

Protanomaly

87.3033, 91.8806, 106.0619

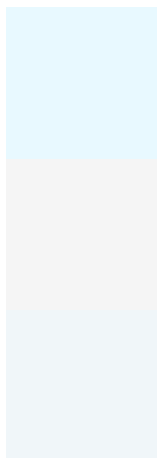
Deuteranomaly

88.5809, 92.1072, 105.2052

Tritanomaly

86.5707, 91.9187, 107.7871

Monochromacy



Original Color

85.2044, 92.1272, 107.8993

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.9898, 91.2764, 102.7085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2044, 92.1272, 107.8993 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 249, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.2044, 92.1272, 107.8993 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 249, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 249, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2044, 92.1272, 107.8993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 249, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
249, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor