

Converting Colors

XYZ(86.0813, 93.5232,
116.9818)

Have a look what the booklet for
XYZ(86.0813, 93.5232, 116.9818)
contains.

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Color

**XYZ(84.2257, 92.5453,
108.0316)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FBFF
RGB	227, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1098, 0.0157, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	189°, 100%, 95%
HSV	189°, 11%, 100%
XYZ	84.2257, 92.5453, 108.0316
YIQ	244.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

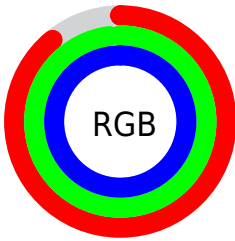
Format	Color
R _Y B	227, 240, 255
Decimal	14941183
CIE Lab	97.04, -7.00, -4.58
CIE LCh	97, 8.361, 213.180
Yxy	92.5453, 0.2957, 0.3249
Android (android.graphics.Color)	4293131263 (0xFFE3FBFF)
YUV	244.2800, 5.2850, -15.1546
Hunter-Lab	96.2005, -12.0700, 0.7586

Details

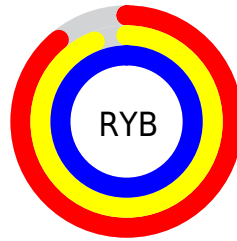
The XYZ color **84.2257, 92.5453, 108.0316** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6803, 83.9560, 84.4692**, and the grayscale version is **86.1832, 90.6715, 98.7412**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2794, 51.3187, 60.8924** is the 20% darker color. If you saturate the color by 10%, you get **75.6458, 86.4538, 107.3080**, and if you desaturate by 10%, it is **94.0233, 99.3021, 108.8194**.

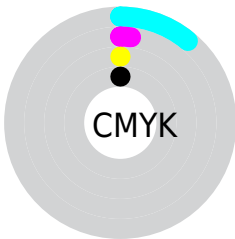
Distribution



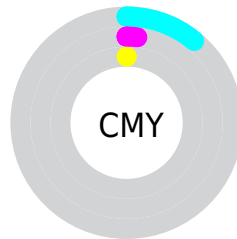
- Red (89%)
- Green (98%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.2257, 92.5453, 108.0316 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 84.2257, 92.5453, 108.0316 by changing the saturation by 10% instead.


 84.2257, 92.5453,
108.0316

 84.2257, 92.5453,
108.0316


497.5848,
536.2763, 607.1124

 63.5221, 70.0936,
82.3706


138.2105,
150.8689, 174.2992

 46.5240, 51.6029,
61.1335


172.2224,
187.5097, 215.7430

 32.8659, 36.6886,
43.9016

211.4011,
229.6489, 263.2847

 22.1824, 24.9665,
30.2566

256.1121,
277.6711, 317.3430

 14.1084, 16.0521,
19.7797

306.7206,
331.9605, 378.3364

 8.2783, 9.5610,
12.0525

363.5919,

 4.3268, 5.1089,

392.9016, 446.6834

6.6565

427.0916,
460.8787, 522.8025

■ 1.8886, 2.3113,
3.1730

■ 0.5702, 0.7797,
1.1837

■ 84.2257, 92.5453,
108.0316

■ 84.2257, 92.5453,
108.0316

■ 75.6458, 86.4538,
107.3080

94.0233, 99.3021,
108.8194

■ 68.2243, 80.9891,
106.6444

95.0500, 100.0000,
108.9000

■ 61.9073, 76.1258,
106.0386

■ 56.6339, 71.8325,
105.4879

■ 52.3373, 68.0744,
104.9890

■ 48.9426, 64.8128,
104.5383

■ 46.3640, 62.0032,
104.1319

■ 44.4985, 59.5924,
103.7649

■ 43.2824, 57.6849,
103.4608

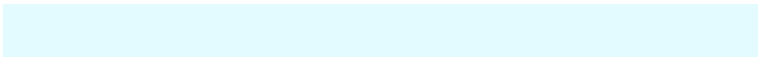
Harmonies

Analogous

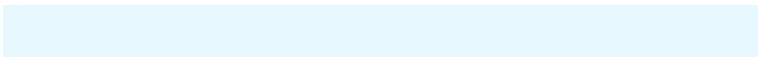
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5172, 92.5453, 101.4873



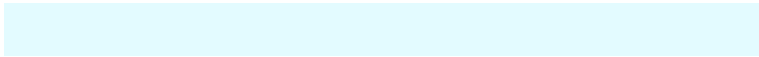
84.2257, 92.5453, 108.0316



85.9342, 92.5453, 112.7887

Triad

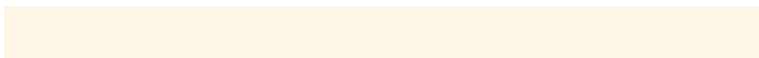
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2257, 92.5453, 108.0316



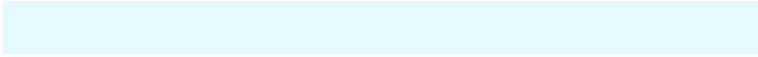
92.0650, 92.5453, 106.7314



87.7105, 92.5453, 88.3640

Complementary

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



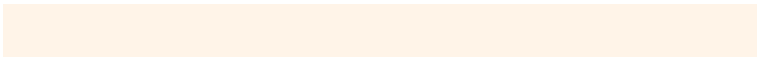
84.2257, 92.5453, 108.0316



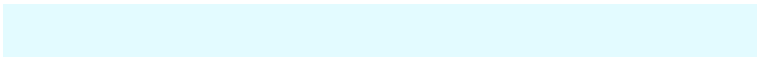
83.6803, 83.9560, 84.4692

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.



90.0205, 92.5453, 89.6298



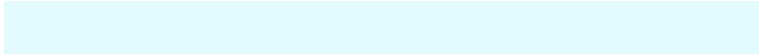
84.2257, 92.5453, 108.0316



92.5608, 92.5453, 100.0483

Square

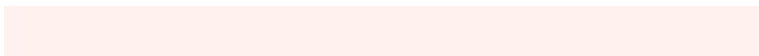
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2257, 92.5453, 108.0316



90.4631, 92.5453, 112.0148



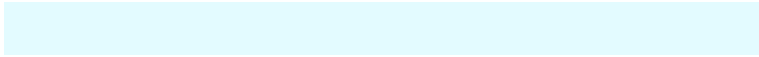
91.8062, 92.5453, 93.8339



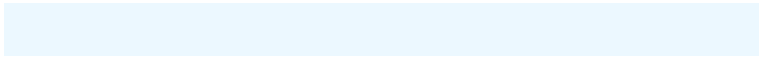
85.5065, 92.5453, 90.2969

Rectangle

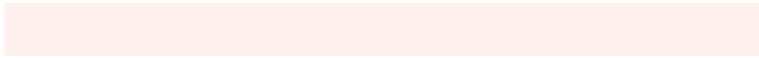
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



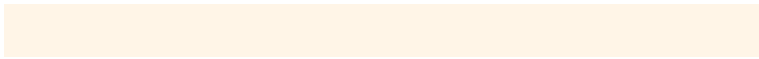
84.2257, 92.5453, 108.0316



87.4249, 92.5453, 114.1995



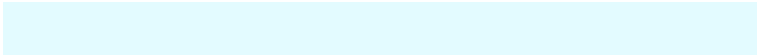
91.8062, 92.5453, 93.8339



88.5003, 92.5453, 88.4298

Sweetspot

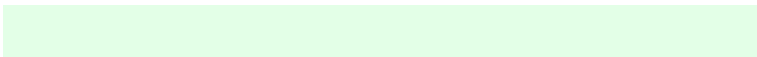
The Sweet Spot groups the original color and five complimentary colors.



84.2281, 92.5491, 108.0322



91.9441, 97.8835, 108.6552



81.8256, 93.6058, 89.1603



19.5063, 20.8322, 23.2429



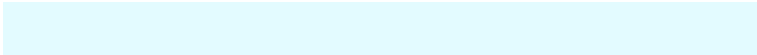
0.0000, 0.0000, 0.0000



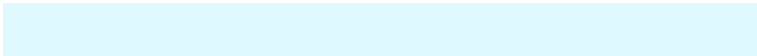
20.3446, 21.4041, 23.3091

Same Dimension

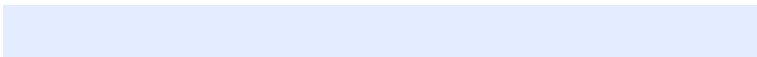
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2281, 92.5491, 108.0322



82.3980, 91.2654, 107.8809



80.0910, 84.2748, 106.6532



18.3210, 20.0135, 23.1473



22.7007, 30.3109, 54.0887



2.2682, 3.0670, 5.2857

Inverse Universe

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



86.1231, 83.1646, 102.7846



84.6192, 80.3420, 101.7127



87.6774, 91.9502, 85.8015



18.6747, 18.2532, 22.1699



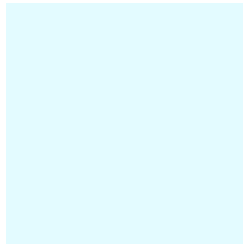
28.2465, 13.7879, 36.2779



2.7795, 1.3542, 3.6861

Previews

White Background



This preview shows how the XYZ color 84.2257, 92.5453, 108.0316 looks on a white background.

Color Contrast Check

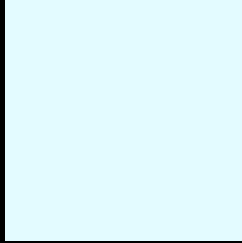
Large Text (above 18pt) WCAG AA × Fail

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 84.2257, 92.5453, 108.0316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

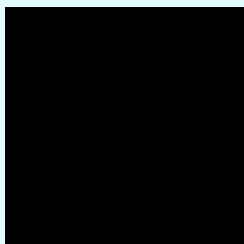
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.2257, 92.5453, 108.0316

Background



This preview shows how black text looks on a background with the XYZ color 84.2257, 92.5453, 108.0316.

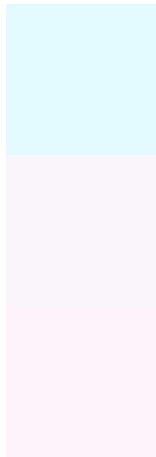


This preview shows how white text looks on a background with the XYZ color 84.2257, 92.5453,

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

84.2257, 92.5453, 108.0316

Protanopia

89.1319, 92.4096, 104.4059

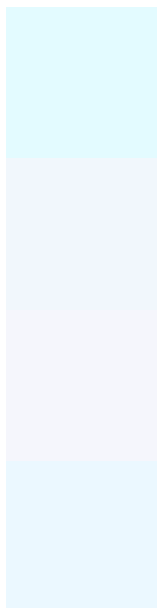
Deuteranopia

90.7032, 92.3262, 104.3070

Tritanopia

87.2459, 92.2668, 107.8187

Trichromacy



Original Color

84.2257, 92.5453, 108.0316

Protanomaly

87.1071, 92.2506, 105.3106

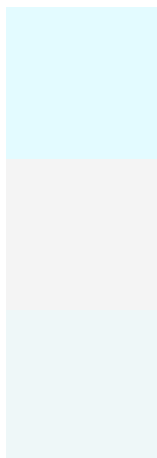
Deuteranomaly

88.1826, 92.3523, 105.2735

Tritanomaly

85.8784, 92.0170, 107.8425

Monochromacy



Original Color

84.2257, 92.5453, 108.0316

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.4639, 91.4760, 101.9591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2257, 92.5453, 108.0316 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(227, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 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(227, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.2257, 92.5453, 108.0316 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(227, 251, 255) }
```


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

```
.border{ border-color:rgb(227, 251, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 251, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2257, 92.5453, 108.0316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 255) }
```

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

```
.background{ background-color: rgb(227,  
251, 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](#).

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