

Converting Colors

XYZ(83.2400, 90.5972,
107.7075)

Have a look what the booklet for
XYZ(83.2400, 90.5972, 107.7075)
contains.

XYZ(83.2960, 90.6857, 107.7217)	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(83.2960, 90.6857,
107.7217)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F8FF
RGB	227, 248, 255
RGB Percent	89%, 97%, 100%
CMY	0.1098, 0.0274, 0.0000
CMYK	0.11, 0.03, 0.00, 0.00
HSL	195°, 100%, 95%
HSV	195°, 11%, 100%
XYZ	83.2960, 90.6857, 107.7217
YIQ	242.5190, -14.7630, -2.2750

Conversions

Conversions Part 2

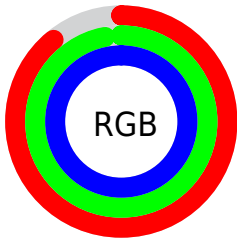
Format	Color
R _Y B	227, 239, 255
Decimal	14940415
CIE Lab	96.28, -5.49, -5.70
CIE LCh	96, 7.911, 226.093
Yxy	90.6857, 0.2957, 0.3219
Android (android.graphics.Color)	4293130495 (0xFFE3F8FF)
YUV	242.5190, 6.1531, -13.6102
Hunter-Lab	95.2290, -10.5184, -0.4077

Details

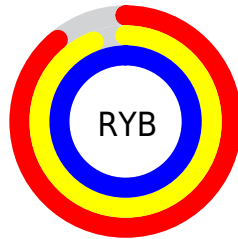
The XYZ color **83.2960, 90.6857, 107.7217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5274, 85.6501, 84.7518**, and the grayscale version is **84.7725, 89.1873, 97.1249**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8373, 50.4344, 60.7450** is the 20% darker color. If you saturate the color by 10%, you get **73.9162, 82.9943, 106.7314**, and if you desaturate by 10%, it is **93.9383, 99.1319, 108.7910**.

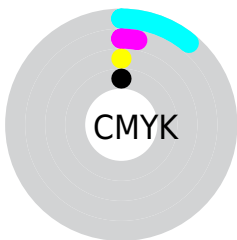
Distribution



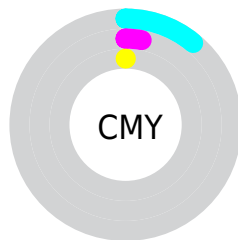
- Red (89%)
- Green (97%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2960, 90.6857, 107.7217 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 83.2960, 90.6857, 107.7217 by changing the saturation by 10% instead.

83.2960, 90.6857,
107.7217

83.2960, 90.6857,
107.7217

494.5415,
530.2589, 606.1324

62.7521, 68.5495,
82.1120

136.9163,
148.2905, 173.8729

45.8986, 50.3449,
60.9215

170.7235,
184.5279, 215.2514

32.3701, 35.6875,
43.7317

209.6824,
226.2345, 262.7234

21.8012, 24.1930,
30.1240

254.1585,
273.7946, 316.7072

13.8267, 15.4768,
19.6799

304.5171,
327.5927, 377.6215

8.0811, 9.1547,
11.9808

361.1236,

4.1992, 4.8422,

388.0132, 445.8847

6.6082

424.3432,
455.4405, 521.9155

■ 1.8154, 2.1550,
3.1436

■ 0.5269, 0.6953,
1.1684

■ 83.2960, 90.6857,
107.7217

■ 83.2960, 90.6857,
107.7217

■ 73.9162, 82.9943,
106.7314

93.9383, 99.1319,
108.7910

■ 65.7390, 76.0184,
105.8159

95.0500, 100.0000,
108.9000

■ 58.7102, 69.7315,
104.9729

■ 52.7681, 64.1009,
104.1993

■ 47.8455, 59.0908,
103.4917

■ 43.8669, 54.6613,
102.8464

■ 40.7458, 50.7669,
102.2592

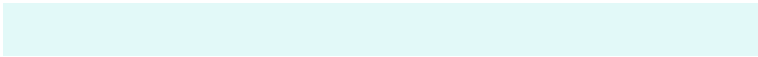
■ 38.3788, 47.3530,
101.7250

■ 36.7449, 44.6098,
101.2816

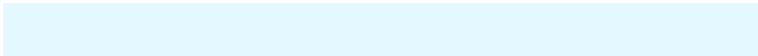
Harmonies

Analogous

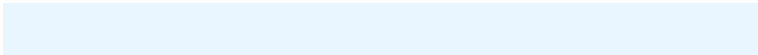
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1965, 90.6857, 102.1349



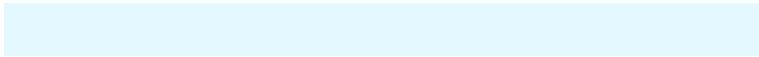
83.2960, 90.6857, 107.7217



85.1822, 90.6857, 110.9635

Triad

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



83.2960, 90.6857, 107.7217



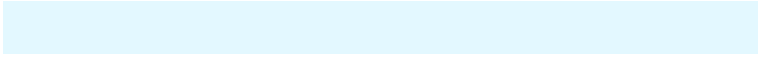
90.3622, 90.6857, 101.6793



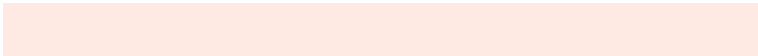
85.0277, 90.6857, 87.5615

Complementary

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



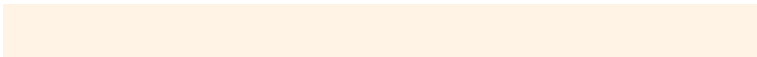
83.2960, 90.6857, 107.7217



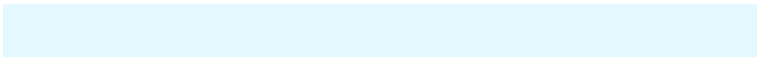
84.5274, 85.6501, 84.7518

Split Complementary

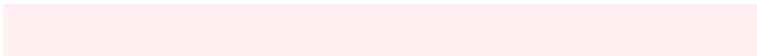
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2139, 90.6857, 87.4512



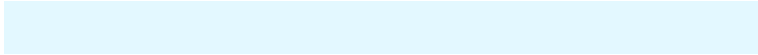
83.2960, 90.6857, 107.7217



90.3192, 90.6857, 95.4238

Square

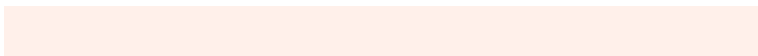
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2960, 90.6857, 107.7217



89.2752, 90.6857, 107.3760



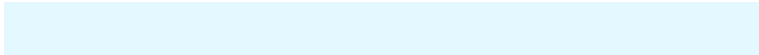
89.1585, 90.6857, 90.2744



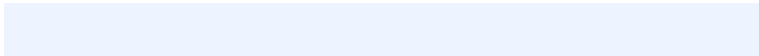
83.1846, 90.6857, 90.5824

Rectangle

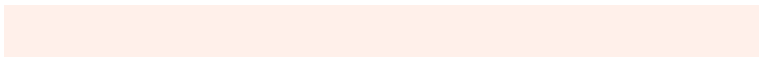
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



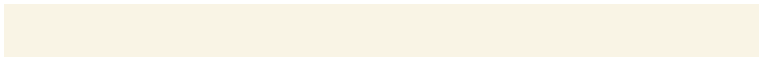
83.2960, 90.6857, 107.7217



86.6434, 90.6857, 111.2734



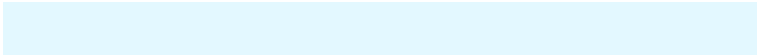
89.1585, 90.6857, 90.2744



85.7462, 90.6857, 87.1873

Sweetspot

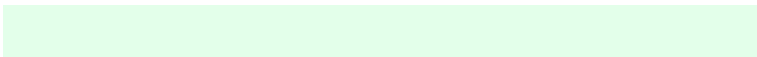
The Sweet Spot groups the original color and five complimentary colors.



83.2984, 90.6894, 107.7223



91.6846, 97.3645, 108.5687



82.2239, 93.7651, 91.2570



19.4360, 20.6918, 23.2195



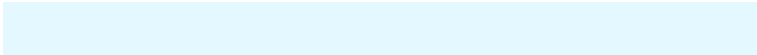
0.0000, 0.0000, 0.0000



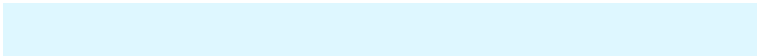
20.3446, 21.4041, 23.3091

Same Dimension

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



83.2984, 90.6894, 107.7223



81.3029, 89.0752, 107.5159



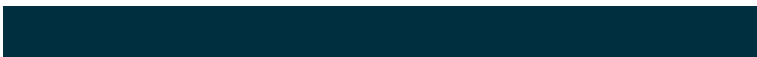
79.2856, 82.6640, 106.3847



18.1480, 19.6676, 23.0897



19.3247, 23.5590, 52.9634



1.9681, 2.4668, 5.1857

Inverse Universe

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



85.6538, 82.9771, 100.3130



84.0665, 80.1209, 98.8019



88.5297, 93.6548, 86.0859



18.5873, 18.2183, 21.7101



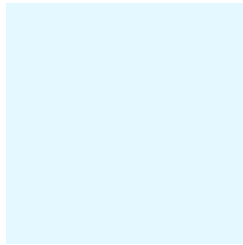
26.5424, 13.1063, 27.3046



2.6280, 1.2936, 2.8884

Previews

White Background



This preview shows how the XYZ color 83.2960, 90.6857, 107.7217 looks on a white background.

Color Contrast Check

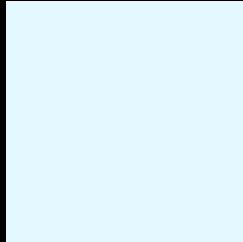
Large Text (above 18pt) WCAG AA × Fail

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 83.2960, 90.6857, 107.7217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

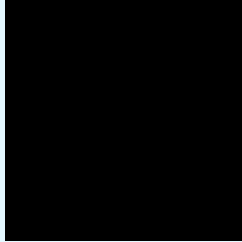
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

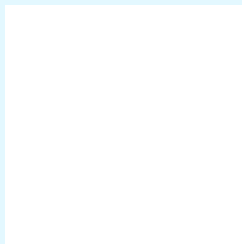
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2960, 90.6857, 107.7217

Background



This preview shows how black text looks on a background with the XYZ color 83.2960, 90.6857, 107.7217.

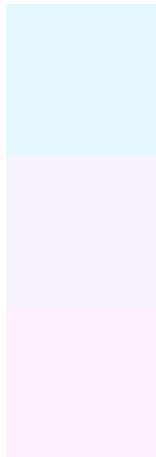


This preview shows how white text looks on a background with the XYZ color 83.2960, 90.6857,

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

83.2960, 90.6857, 107.7217

Protanopia

87.6273, 90.7223, 104.9882

Deuteranopia

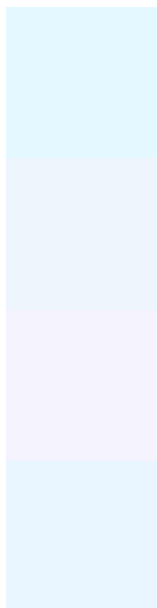
89.9708, 90.6085, 104.8427



Tritanopia

85.6275, 90.5293, 107.5686

Trichromacy



Original Color

83.2960, 90.6857, 107.7217

Protanomaly

85.9786, 90.7474, 105.9129

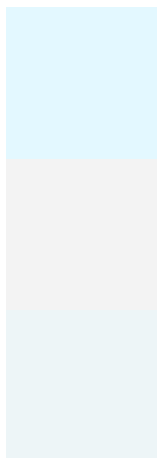
Deuteranomaly

87.4364, 90.6055, 105.8087

Tritanomaly

84.6100, 90.4552, 107.6079

Monochromacy



Original Color

83.2960, 90.6857, 107.7217

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.3660, 90.0247, 100.9256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2960, 90.6857, 107.7217 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 248, 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, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.2960, 90.6857, 107.7217 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, 248, 255) }
```


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

```
.border{ border-color:rgb(227, 248, 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, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2960, 90.6857, 107.7217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 248, 255) }
```

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

```
.background{ background-color: rgb(227,  
248, 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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