

Converting Colors

XYZ(87.0018, 90.8337,
110.0031)

Have a look what the booklet for
XYZ(87.0018, 90.8337, 110.0031)
contains.

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Color

**XYZ(86.3359, 90.4466,
107.5153)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F4FF
RGB	240, 244, 255
RGB Percent	94%, 96%, 100%
CMY	0.0588, 0.0431, 0.0000
CMYK	0.06, 0.04, 0.00, 0.00
HSL	224°, 100%, 97%
HSV	224°, 6%, 100%
XYZ	86.3359, 90.4466, 107.5153
YIQ	244.0580, -5.9150, 2.5730

Conversions

Conversions Part 2

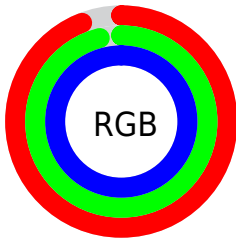
Format	Color
R _Y B	240, 243, 255
Decimal	15791359
CIE Lab	96.18, 0.69, -5.74
CIE LCh	96, 5.784, 276.862
Yxy	90.4466, 0.3037, 0.3181
Android (android.graphics.Color)	4293981439 (0xFFFF0F4FF)
YUV	244.0580, 5.3944, -3.5589
Hunter-Lab	95.1034, -4.3868, -0.4555

Details

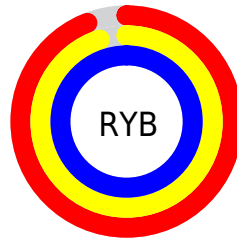
The XYZ color **86.3359, 90.4466, 107.5153** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.4646, 96.5436, 96.2538**, and the grayscale version is **85.9992, 90.4778, 98.5303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9434, 50.2340, 60.5953** is the 20% darker color. If you saturate the color by 10%, you get **72.9381, 75.6112, 105.3579**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

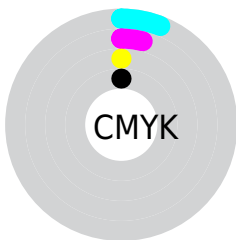
Distribution



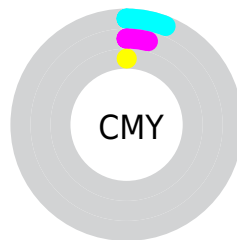
- Red (94%)
- Green (96%)
- Blue (100%)



- Red (94%)
- Yellow (95%)
- Blue (100%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3359, 90.4466, 107.5153 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 86.3359, 90.4466, 107.5153 by changing the saturation by 10% instead.

86.3359, 90.4466,
107.5153

86.3359, 90.4466,
107.5153

504.4555,
529.4826, 605.4793

65.2720, 68.3511,
81.9398

141.1426,
147.9586, 173.5888

47.9472, 50.1834,
60.7804

175.6160,
184.1439, 214.9239

33.9961, 35.5592,
43.6185

215.2900,
225.7945, 262.3493

23.0535, 24.0939,
30.0357

260.5298,
273.2950, 316.2835

14.7539, 15.4033,
19.6134

311.7010,
327.0296, 377.1451

8.7321, 9.1029,
11.9331

369.1687,

4.6225, 4.8084,

387.3828, 445.3525

6.5761

433.2984,
454.7390, 521.3244

■ 2.0600, 2.1353,
3.1241

■ 0.6673, 0.6844,
1.1583

■ 86.3359, 90.4466,
107.5153

■ 86.3359, 90.4466,
107.5153

■ 72.9381, 75.6112,
105.3579

95.0500, 100.0000,
108.9000

■ 61.2574, 62.4803,
103.4390

■ 51.2246, 50.9943,
101.7508

■ 42.7628, 41.0859,
100.2843

■ 35.7887, 32.6829,
99.0299

■ 30.2111, 25.7071,
97.9774

■ 25.9277, 20.0724,
97.1156

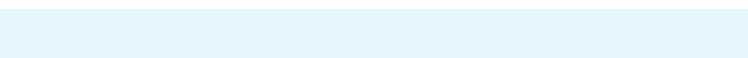
■ 22.8213, 15.6824,
96.4319

■ 20.7499, 12.4245,
95.9123

Harmonies

Analogous

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



84.7603, 90.4466, 106.8304



86.3359, 90.4466, 107.5153



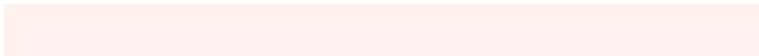
87.8307, 90.4466, 105.7198

Triad

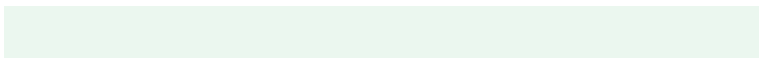
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3359, 90.4466, 107.5153



88.4586, 90.4466, 93.2756



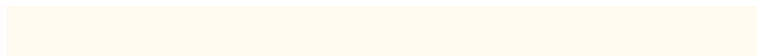
83.1612, 90.4466, 95.0501

Complementary

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



86.3359, 90.4466, 107.5153



91.4646, 96.5436, 96.2538

Split Complementary

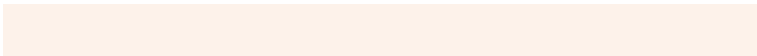
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1295, 90.4466, 91.5803



86.3359, 90.4466, 107.5153



87.1846, 90.4466, 90.5783

Square

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



86.3359, 90.4466, 107.5153



89.0660, 90.4466, 97.4291



85.5987, 90.4466, 89.9675



82.9403, 90.4466, 99.5404

Rectangle

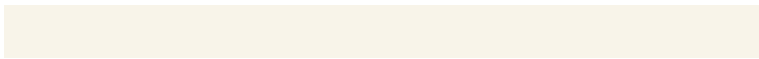
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3359, 90.4466, 107.5153



88.5758, 90.4466, 103.3898



85.5987, 90.4466, 89.9675



83.4095, 90.4466, 93.7300

Sweetspot

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



86.3383, 90.4503, 107.5159



92.0174, 96.6833, 108.4196



89.0692, 96.9950, 105.0883



19.7273, 20.7290, 23.2113



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.



86.3383, 90.4503, 107.5159



84.7519, 88.7039, 107.2624



86.2598, 88.6409, 107.1708



17.9591, 18.7865, 22.9296



10.6175, 6.1447, 50.0610



1.1190, 0.7687, 4.9027

Inverse Universe

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



88.7307, 90.1134, 98.3094



87.5818, 88.3210, 96.3688



91.5431, 98.4603, 96.6196



18.6149, 18.6997, 20.4048



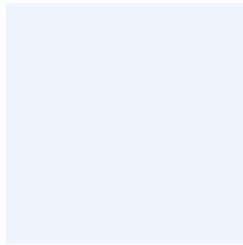
22.1474, 11.3483, 4.1609



2.1994, 1.1221, 0.6317

Previews

White Background



This preview shows how the XYZ color 86.3359, 90.4466, 107.5153 looks on a white background.

Color Contrast Check

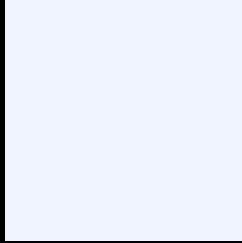
Large Text (above 18pt) WCAG AA × Fail

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 86.3359, 90.4466, 107.5153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

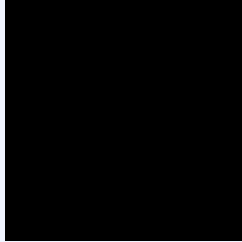
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

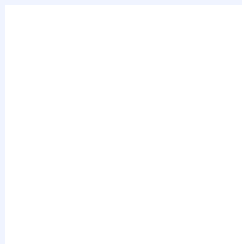
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.3359, 90.4466, 107.5153

Background



This preview shows how black text looks on a background with the XYZ color 86.3359, 90.4466, 107.5153.



This preview shows how white text looks on a background with the XYZ color 86.3359, 90.4466,

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

86.3359, 90.4466, 107.5153

Protanopia

87.2977, 90.0725, 106.5506

Deuteranopia

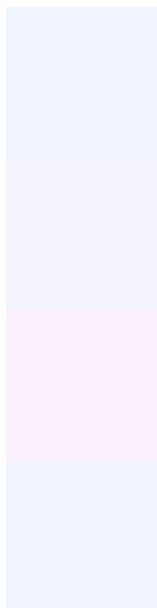
89.9708, 90.6085, 104.8427



Tritanopia

86.7185, 90.1984, 107.4472

Trichromacy



Original Color

86.3359, 90.4466, 107.5153

Protanomaly

86.9021, 90.3116, 106.6176

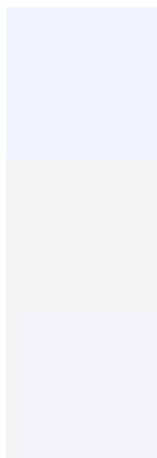
Deuteranomaly

88.6093, 90.3264, 105.6930

Tritanomaly

86.3762, 90.0220, 107.4312

Monochromacy



Original Color

86.3359, 90.4466, 107.5153

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.2561, 90.5334, 101.7354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.3359, 90.4466, 107.5153 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(240, 244, 255) looks like.

```
.text, #text, p{  
    color:rgb(240, 244, 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(240, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.3359, 90.4466, 107.5153 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(240, 244, 255) }
```


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

```
.border{ border-color:rgb(240, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.3359, 90.4466, 107.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 244, 255) }
```

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

```
.background{ background-color: rgb(240,  
244, 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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