

Converting Colors

XYZ(85.6826, 90.2713,
107.6900)

Have a look what the booklet for
XYZ(85.6826, 90.2713, 107.6900)
contains.

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Color

**XYZ(85.6606, 90.0985,
107.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF4FF
RGB	238, 244, 255
RGB Percent	93%, 96%, 100%
CMY	0.0667, 0.0431, 0.0000
CMYK	0.07, 0.04, 0.00, 0.00
HSL	219°, 100%, 97%
HSV	219°, 7%, 100%
XYZ	85.6606, 90.0985, 107.4837
YIQ	243.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

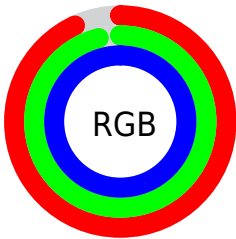
Format	Color
R _Y B	238, 242, 255
Decimal	15660287
CIE Lab	96.04, 0.05, -5.97
CIE LCh	96, 5.971, 270.445
Yxy	90.0985, 0.3024, 0.3181
Android (android.graphics.Color)	4293850367 (0xFFEEF4FF)
YUV	243.4600, 5.6892, -4.7884
Hunter-Lab	94.9202, -5.0234, -0.6934

Details

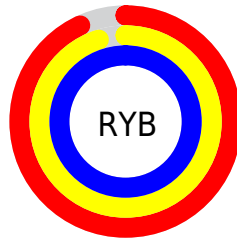
The XYZ color **85.6606, 90.0985, 107.4837** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.5475, 95.1824, 94.4902**, and the grayscale version is **85.5200, 89.9737, 97.9814**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4677, 49.9887, 60.5731** is the 20% darker color. If you saturate the color by 10%, you get **72.9556, 76.5104, 105.5305**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

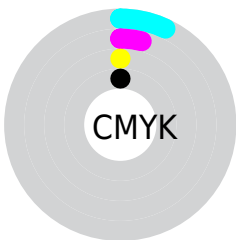
Distribution



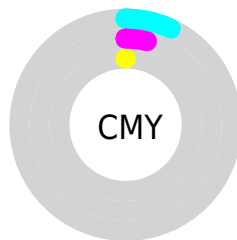
- Red (93%)
- Green (96%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6606, 90.0985, 107.4837 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 85.6606, 90.0985, 107.4837 by changing the saturation by 10% instead.

85.6606, 90.0985,
107.4837

85.6606, 90.0985,
107.4837

502.2622,
528.3512, 605.3792

64.7117, 68.0623,
81.9134

140.2050,
147.4752, 173.5454

47.4912, 49.9485,
60.7588

174.5313,
183.5845, 214.8738

33.6337, 35.3724,
43.6012

214.0473,
225.1537, 262.2920

22.7739, 23.9499,
30.0222

259.1185,
272.5672, 316.2186

14.5464, 15.2965,
19.6033

310.1103,
326.2092, 377.0721

8.5859, 9.0277,
11.9258

367.3879,

4.5270, 4.7593,

386.4643, 445.2710

6.5712

431.3168,
453.7169, 521.2339

■ 2.0044, 2.1067,
3.1211

■ 0.6364, 0.6684,
1.1568

■ 85.6606, 90.0985,
107.4837

■ 85.6606, 90.0985,
107.4837

■ 72.9556, 76.5104,
105.5305

95.0500, 100.0000,
108.9000

■ 61.8428, 64.3826,
103.7754

■ 52.2581, 53.6668,
102.2122

■ 44.1302, 44.3074,
100.8340

■ 37.3820, 36.2452,
99.6335

■ 31.9285, 29.4154,
98.6027

■ 27.6746, 23.7474,
97.7328

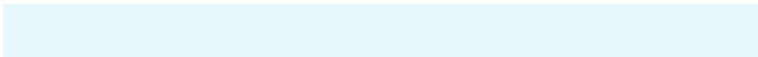
■ 24.5101, 19.1608,
97.0143

■ 22.2995, 15.5609,
96.4360

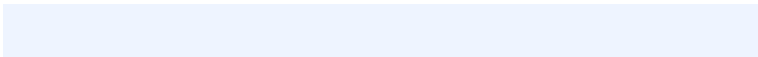
Harmonies

Analogous

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



84.0785, 90.0985, 106.2308



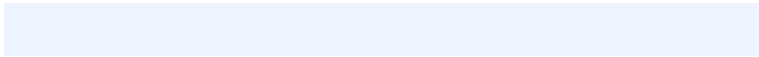
85.6606, 90.0985, 107.4837



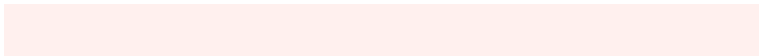
87.2557, 90.0985, 106.1563

Triad

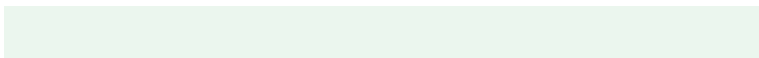
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6606, 90.0985, 107.4837



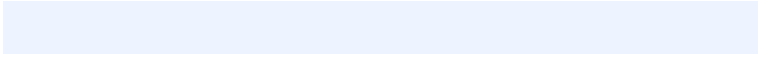
88.4039, 90.0985, 93.5638



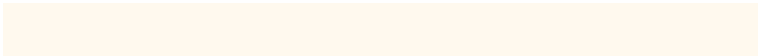
82.9022, 90.0985, 93.6824

Complementary

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



85.6606, 90.0985, 107.4837



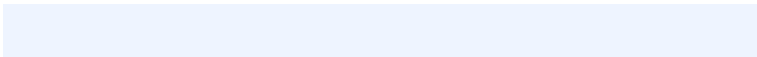
90.5475, 95.1824, 94.4902

Split Complementary

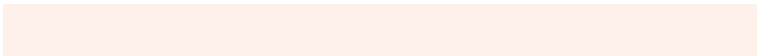
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0363, 90.0985, 90.4657



85.6606, 90.0985, 107.4837



87.2124, 90.0985, 90.3987

Square

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



85.6606, 90.0985, 107.4837



88.8520, 90.0985, 98.0313



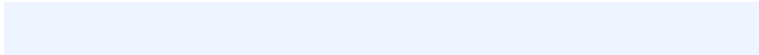
85.6112, 90.0985, 89.2827



82.4984, 90.0985, 98.1726

Rectangle

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



85.6606, 90.0985, 107.4837



88.1086, 90.0985, 104.0105



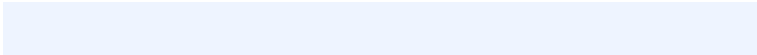
85.6112, 90.0985, 89.2827



83.2099, 90.0985, 92.4216

Sweetspot

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



85.6629, 90.1022, 107.4843



92.1552, 96.9588, 108.4656



88.0832, 96.5226, 103.4207



19.7554, 20.7851, 23.2207



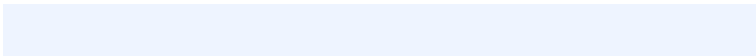
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



85.6629, 90.1022, 107.4843



83.8732, 88.2024, 107.2119



84.6515, 86.9426, 106.9277



17.5278, 18.4273, 22.8830



11.4714, 7.8523, 50.3456



1.2152, 0.9611, 4.9347

Inverse Universe

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



88.1451, 88.9423, 98.1142



86.8317, 86.8470, 96.0376



91.6040, 98.5259, 95.0799



18.2743, 18.0930, 20.0617



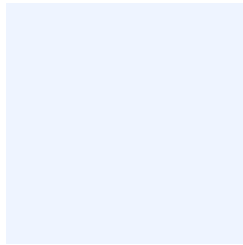
22.5784, 11.5207, 6.4304



2.2480, 1.1416, 0.8873

Previews

White Background



This preview shows how the XYZ color 85.6606, 90.0985, 107.4837 looks on a white background.

Color Contrast Check

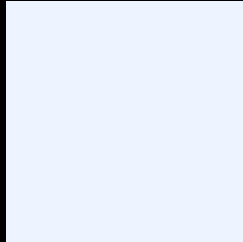
Large Text (above 18pt) WCAG AA × Fail

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 85.6606, 90.0985, 107.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

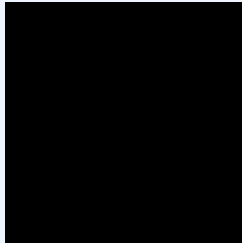
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

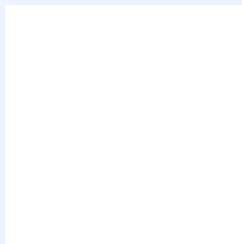
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.6606, 90.0985, 107.4837

Background



This preview shows how black text looks on a background with the XYZ color 85.6606, 90.0985, 107.4837.



This preview shows how white text looks on a background with the XYZ color 85.6606, 90.0985,

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

85.6606, 90.0985, 107.4837

Protanopia

87.2977, 90.0725, 106.5506

Deuteranopia

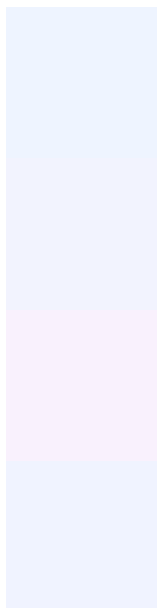
89.6772, 90.0213, 104.7448



Tritanopia

86.3762, 90.0220, 107.4312

Trichromacy



Original Color

85.6606, 90.0985, 107.4837

Protanomaly

86.5579, 90.1342, 106.6015

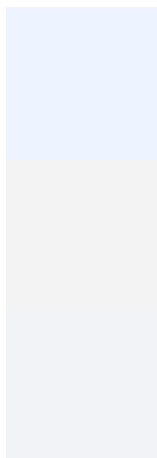
Deuteranomaly

88.2518, 90.1422, 105.6763

Tritanomaly

86.0358, 89.8464, 107.4153

Monochromacy



Original Color

85.6606, 90.0985, 107.4837

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.1147, 89.5174, 100.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6606, 90.0985, 107.4837 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(238, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.6606, 90.0985, 107.4837 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(238, 244, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6606, 90.0985, 107.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 244, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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