

Converting Colors

XYZ(87.0770, 88.9303,
107.1836)

Have a look what the booklet for
XYZ(87.0770, 88.9303, 107.1836)
contains.

XYZ(87.2161, 89.1330, 107.2153)	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(87.2161, 89.1330,
107.2153)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F0FF
RGB	246, 240, 255
RGB Percent	96%, 94%, 100%
CMY	0.0353, 0.0588, 0.0000
CMYK	0.04, 0.06, 0.00, 0.00
HSL	264°, 100%, 97%
HSV	264°, 6%, 100%
XYZ	87.2161, 89.1330, 107.2153
YIQ	243.5040, -1.2390, 5.9370

Conversions

Conversions Part 2

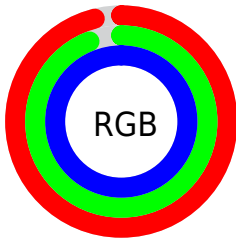
Format	Color
R _Y B	246, 240, 255
Decimal	16183551
CIE Lab	95.64, 4.68, -6.50
CIE LCh	96, 8.010, 305.783
Yxy	89.1330, 0.3076, 0.3143
Android (android.graphics.Color)	4294373631 (0xFF6F0FF)
YUV	243.5040, 5.6675, 2.1890
Hunter-Lab	94.4103, -0.3199, -1.2444

Details

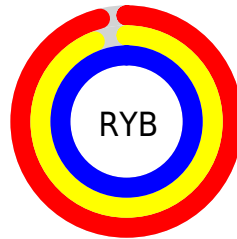
The XYZ color **87.2161, 89.1330, 107.2153** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.5574, 97.9521, 96.5763**, and the grayscale version is **85.5519, 90.0073, 98.0179**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5687, 49.3053, 60.3831** is the 20% darker color. If you saturate the color by 10%, you get **75.0827, 72.5084, 104.6460**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

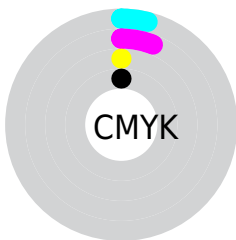
Distribution



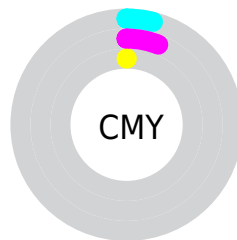
- Red (96%)
- Green (94%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2161, 89.1330, 107.2153 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 87.2161, 89.1330, 107.2153 by changing the saturation by 10% instead.

87.2161, 89.1330,
107.2153

87.2161, 89.1330,
107.2153

507.3066,
525.2065, 604.5293

66.0027, 67.2618,
81.6895

142.3634,
146.1335, 173.1759

48.5423, 49.2974,
60.5753

177.0280,
182.0316, 214.4478

34.4696, 34.8555,
43.4542

216.9071,
223.3741, 261.8054

23.4192, 23.5516,
29.9076

262.3660,
270.5454, 315.6674

15.0257, 15.0013,
19.5170

313.7700,
323.9299, 376.4523

8.9239, 8.8203,
11.8639

371.4846,

4.7483, 4.6242,

383.9119, 444.5785

6.5296

435.8750,
450.8760, 520.4646

■ 2.1336, 2.0285,
3.0958

■ 0.7074, 0.6239,
1.1437

■ 87.2161, 89.1330,
107.2153

■ 87.2161, 89.1330,
107.2153

■ 75.0827, 72.5084,
104.6460

95.0500, 100.0000,
108.9000

■ 64.3896, 58.1248,
102.4332

■ 55.0815, 45.8866,
100.5616

■ 47.0964, 35.6868,
99.0137

■ 40.3671, 27.4093,
97.7707

■ 34.8203, 20.9255,
96.8115

■ 30.3736, 16.0905,
96.1127

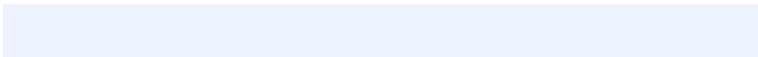
■ 26.9325, 12.7359,
95.6465

■ 24.3821, 10.6537,
95.3790

Harmonies

Analogous

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



85.1452, 89.1330, 109.6111



87.2161, 89.1330, 107.2153



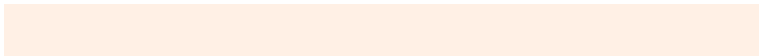
88.6354, 89.1330, 102.1060

Triad

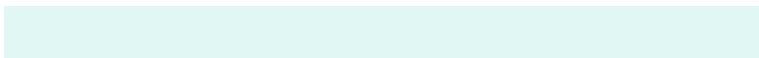
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2161, 89.1330, 107.2153



86.4655, 89.1330, 86.4149



80.5785, 89.1330, 98.2766

Complementary

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



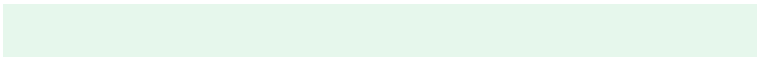
87.2161, 89.1330, 107.2153



90.5574, 97.9521, 96.5763

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.



80.9182, 89.1330, 92.1651



87.2161, 89.1330, 107.2153



84.2927, 89.1330, 85.4884

Square

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



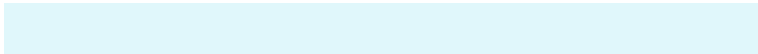
87.2161, 89.1330, 107.2153



88.1968, 89.1330, 90.1372



82.2685, 89.1330, 87.5497



81.3324, 89.1330, 104.3090

Rectangle

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



87.2161, 89.1330, 107.2153



89.0078, 89.1330, 97.9444



82.2685, 89.1330, 87.5497



80.5687, 89.1330, 96.1625

Sweetspot

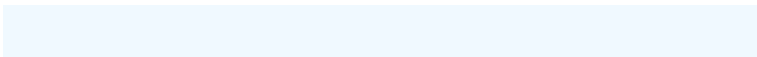
The Sweet Spot groups the original color and five complimentary colors.



87.2184, 89.1367, 107.2159



92.3275, 96.2132, 108.3126



87.9408, 93.6536, 108.0497



19.7904, 20.6333, 23.1895



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.



87.2184, 89.1367, 107.2159



85.7859, 87.1599, 106.9099



89.8111, 90.4733, 107.3373



18.1981, 18.4304, 22.8482



12.4502, 5.3288, 49.8069



1.3315, 0.5803, 4.8551

Inverse Universe

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



89.5013, 90.4234, 102.3620



88.4895, 88.6840, 101.1485



88.0230, 96.6455, 96.4577



18.8249, 18.7838, 21.5109



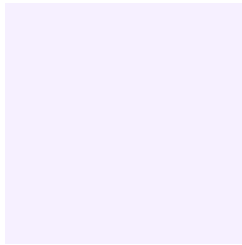
24.6302, 12.3414, 17.2347



2.4521, 1.2232, 1.9624

Previews

White Background



This preview shows how the XYZ color 87.2161, 89.1330, 107.2153 looks on a white background.

Color Contrast Check

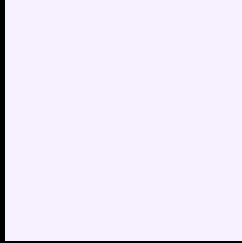
Large Text (above 18pt) WCAG AA × Fail

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 87.2161, 89.1330, 107.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

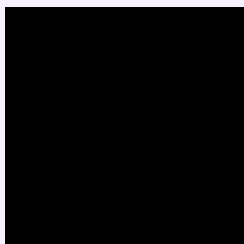
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

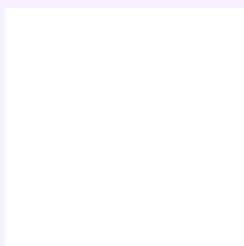
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.2161, 89.1330, 107.2153

Background



This preview shows how black text looks on a background with the XYZ color 87.2161, 89.1330, 107.2153.



This preview shows how white text looks on a background with the XYZ color 87.2161, 89.1330,

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

87.2161, 89.1330, 107.2153

Protanopia

86.4674, 89.1853, 107.2649

Deuteranopia

89.0949, 88.8566, 104.5507



Tritanopia

87.2161, 89.1330, 107.2153

Trichromacy



Original Color

87.2161, 89.1330, 107.2153

Protanomaly

86.8135, 89.3637, 107.2811

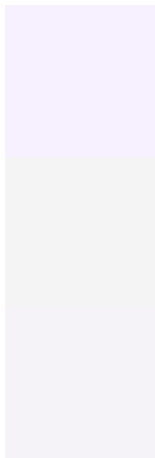
Deuteranomaly

88.4490, 88.9364, 105.4332

Tritanomaly

87.2161, 89.1330, 107.2153

Monochromacy



Original Color

87.2161, 89.1330, 107.2153

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.6501, 90.2910, 101.6679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2161, 89.1330, 107.2153 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(246, 240, 255) looks like.

```
.text, #text, p{  
    color:rgb(246, 240, 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(246, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.2161, 89.1330, 107.2153 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(246, 240, 255) }
```


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

```
.border{ border-color:rgb(246, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(246, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2161, 89.1330, 107.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 240, 255) }
```

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

```
.background{ background-color: rgb(246,  
240, 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