

Converting Colors

XYZ(81.0075, 84.9296,
106.7312)

Have a look what the booklet for
XYZ(81.0075, 84.9296, 106.7312)
contains.

XYZ(81.2577, 85.1921, 106.7687)	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(81.2577, 85.1921,
106.7687)**

Conversions

Conversions Part 1

Format	Color
Hex	E6EEFF
RGB	230, 238, 255
RGB Percent	90%, 93%, 100%
CMY	0.0980, 0.0666, 0.0000
CMYK	0.10, 0.07, 0.00, 0.00
HSL	221°, 100%, 95%
HSV	221°, 10%, 100%
XYZ	81.2577, 85.1921, 106.7687
YIQ	237.5460, -10.2250, 3.5910

Conversions

Conversions Part 2

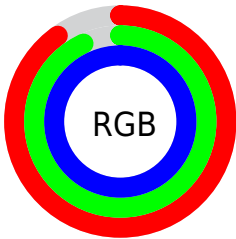
Format	Color
R _{YB}	230, 236, 255
Decimal	15134463
CIE Lab	93.97, 0.56, -9.10
CIE LCh	94, 9.118, 273.495
Yxy	85.1921, 0.2974, 0.3118
Android (android.graphics.Color)	4293324543 (0xFFE6EEFF)
YUV	237.5460, 8.6048, -6.6178
Hunter-Lab	92.2996, -4.3783, -3.9748

Details

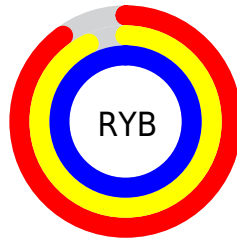
The XYZ color **81.2577, 85.1921, 106.7687** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7830, 93.4929, 88.2311**, and the grayscale version is **80.8605, 85.0715, 92.6429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3765, 46.5318, 60.0687** is the 20% darker color. If you saturate the color by 10%, you get **68.8590, 71.6669, 104.8116**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



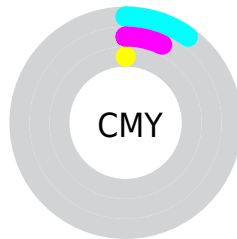
- Red (90%)
- Green (93%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2577, 85.1921, 106.7687 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 81.2577, 85.1921, 106.7687 by changing the saturation by 10% instead.

81.2577, 85.1921,
106.7687

81.2577, 85.1921,
106.7687

487.8336,
512.2635, 603.1136

61.0659, 64.0001,
81.3170

134.0738,
140.6415, 172.5610

44.5311, 46.6508,
60.2702

167.4288,
175.6678, 213.7386

31.2879, 32.7597,
43.2097

205.9023,
216.0742, 260.9953

20.9711, 21.9424,
29.7171

249.8595,
262.2453, 314.7496

13.2152, 13.8146,
19.3737

299.6659,
314.5654, 375.4201

7.6549, 7.9918,
11.7611

355.6868,

3.9249, 4.0897,

373.4188, 443.4252

6.4607

418.2876,
439.1901, 519.1835

■ 1.6597, 1.7239,
3.0539

■ 0.4309, 0.4390,
1.1222

■ 81.2577, 85.1921,
106.7687

■ 81.2577, 85.1921,
106.7687

■ 68.8590, 71.6669,
104.8116

95.0500, 100.0000,
108.9000

■ 58.0757, 59.6734,
103.0650

■ 48.8402, 49.1579,
101.5220

■ 41.0774, 40.0594,
100.1750

■ 34.7056, 32.3123,
99.0154

■ 29.6343, 25.8451,
98.0344

■ 25.7616, 20.5788,
97.2221

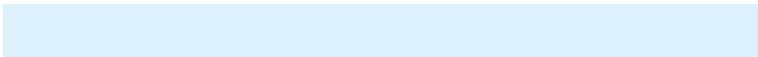
■ 22.9680, 16.4235,
96.5673

■ 21.0721, 13.2550,
96.0556

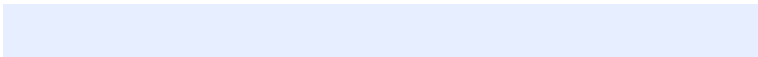
Harmonies

Analogous

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



78.9050, 85.1921, 105.2583



81.2577, 85.1921, 106.7687



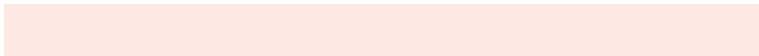
83.5787, 85.1921, 104.3734

Triad

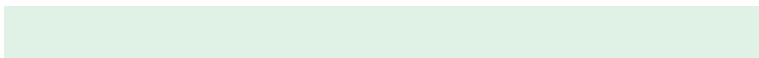
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2577, 85.1921, 106.7687



84.9322, 85.1921, 85.5688



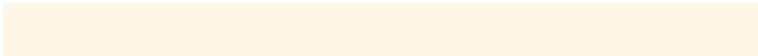
76.8625, 85.1921, 86.9146

Complementary

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



81.2577, 85.1921, 106.7687



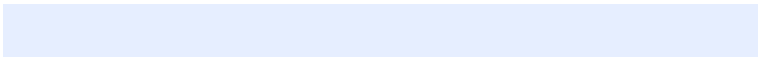
88.7830, 93.4929, 88.2311

Split Complementary

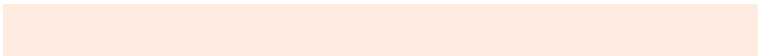
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4211, 85.1921, 82.0412



81.2577, 85.1921, 106.7687



83.0759, 85.1921, 81.2919

Square

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



81.2577, 85.1921, 106.7687



85.7267, 85.1921, 91.9464



80.6880, 85.1921, 80.0331



76.3974, 85.1921, 93.5778

Rectangle

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



81.2577, 85.1921, 106.7687



84.7869, 85.1921, 100.9508



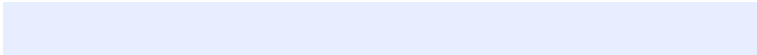
80.6880, 85.1921, 80.0331



77.2743, 85.1921, 85.0241

Sweetspot

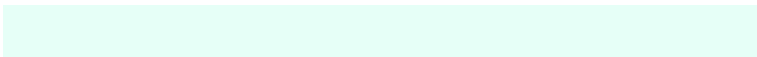
The Sweet Spot groups the original color and five complimentary colors.



81.2600, 85.1956, 106.7693



90.6546, 95.3043, 108.2253



85.1311, 95.0382, 101.5842



19.1580, 20.1357, 23.1268



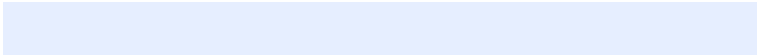
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



81.2600, 85.1956, 106.7693



78.3935, 82.0890, 106.3207



80.3345, 81.3358, 106.0730



17.4777, 18.3270, 22.8662



11.1125, 7.1347, 50.2260



1.1758, 0.8822, 4.9216

Inverse Universe

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



84.9708, 84.0282, 92.6337



82.8829, 80.7384, 89.2059



89.7670, 97.7117, 88.9936



18.2490, 18.0829, 19.9284



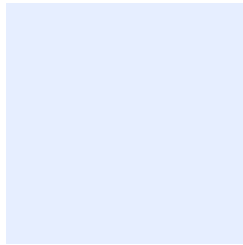
22.3973, 11.4482, 5.4766



2.2281, 1.1336, 0.7825

Previews

White Background



This preview shows how the XYZ color 81.2577, 85.1921, 106.7687 looks on a white background.

Color Contrast Check

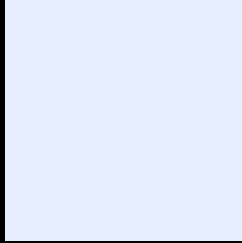
Large Text (above 18pt) WCAG AA × Fail

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 81.2577, 85.1921, 106.7687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

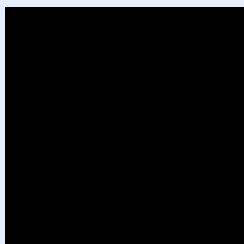
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2577, 85.1921, 106.7687

Background



This preview shows how black text looks on a background with the XYZ color 81.2577, 85.1921, 106.7687.



This preview shows how white text looks on a background with the XYZ color 81.2577, 85.1921,

106.7687.

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

81.2577, 85.1921, 106.7687

Protanopia

82.8099, 85.1512, 105.8372

Deuteranopia

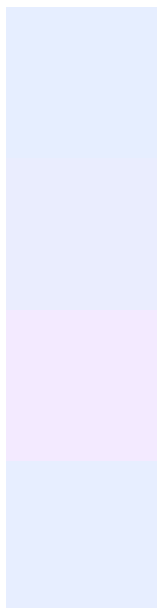
86.4096, 84.8811, 106.4371



Tritanopia

81.5795, 85.3580, 106.7838

Trichromacy



Original Color

81.2577, 85.1921, 106.7687

Protanomaly

82.1053, 85.2166, 105.8870

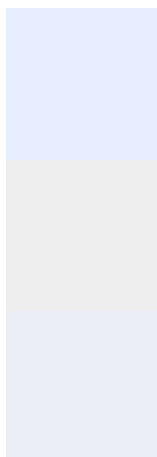
Deuteranomaly

84.4350, 85.1203, 106.5874

Tritanomaly

81.5795, 85.3580, 106.7838

Monochromacy



Original Color

81.2577, 85.1921, 106.7687

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.1646, 85.3429, 97.7829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2577, 85.1921, 106.7687 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(230, 238, 255) looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 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(230, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.2577, 85.1921, 106.7687 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(230, 238, 255) }
```


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

```
.border{ border-color:rgb(230, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2577, 85.1921, 106.7687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 255) }
```

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

```
.background{ background-color: rgb(230,  
238, 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