

Converting Colors

XYZ(111.3879, 100.0000,
268.1397)

Have a look what the booklet for
XYZ(111.3879, 100.0000, 268.1397)
contains.

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Color

**XYZ(80.8321, 87.6093,
107.2577)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF4FF
RGB	223, 244, 255
RGB Percent	87%, 96%, 100%
CMY	0.1255, 0.0431, 0.0000
CMYK	0.13, 0.04, 0.00, 0.00
HSL	201°, 100%, 94%
HSV	201°, 13%, 100%
XYZ	80.8321, 87.6093, 107.2577
YIQ	238.9750, -16.0470, -1.0310

Conversions

Conversions Part 2

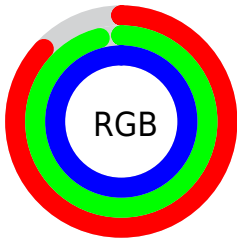
Format	Color
R _Y B	223, 236, 255
Decimal	14677247
CIE Lab	95.00, -4.72, -7.63
CIE LCh	95, 8.967, 238.274
Yxy	87.6093, 0.2932, 0.3178
Android (android.graphics.Color)	4292867327 (0xFFDFF4FF)
YUV	238.9750, 7.9003, -14.0101
Hunter-Lab	93.5998, -9.6485, -2.4216

Details

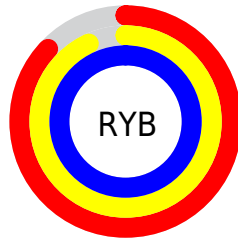
The XYZ color **80.8321, 87.6093, 107.2577** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9816, 85.4319, 81.8774**, and the grayscale version is **81.9760, 86.2451, 93.9210**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3247, 48.3685, 60.4260** is the 20% darker color. If you saturate the color by 10%, you get **70.9857, 78.7142, 106.0598**, and if you desaturate by 10%, it is **91.9916, 97.3721, 108.5540**.

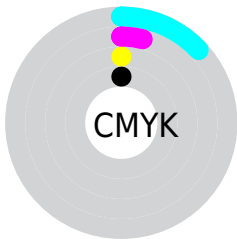
Distribution



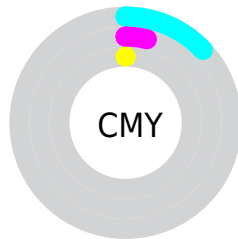
- Red (87%)
- Green (96%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8321, 87.6093, 107.2577 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 80.8321, 87.6093, 107.2577 by changing the saturation by 10% instead.

80.8321, 87.6093,
107.2577

80.8321, 87.6093,
107.2577

486.4266,
520.2229, 604.6636

60.7141, 65.9995,
81.7249

133.4794,
144.0131, 173.2343

44.2462, 48.2720,
60.6043

166.7394,
179.5759, 214.5151

31.0628, 34.0424,
43.4774

205.1109,
220.5586, 261.8823

20.7988, 22.9261,
29.9257

248.9591,
267.3455, 315.7545

13.0886, 14.5390,
19.5306

298.6494,
320.3209, 376.5502

7.5670, 8.4965,
11.8736

354.5472,

3.8686, 4.4142,

379.8694, 444.6879

6.5362

417.0178,
446.3753, 520.5862

■ 1.6281, 1.9079,
3.0998

■ 0.4106, 0.5531,
1.1458

■ 80.8321, 87.6093,
107.2577

■ 80.8321, 87.6093,
107.2577

■ 70.9857, 78.7142,
106.0598

■ 91.9916, 97.3721,
108.5540

■ 62.3911, 70.6456,
104.9553

95.0500, 100.0000,
108.9000

■ 54.9921, 63.3742,
103.9418

■ 48.7253, 56.8648,
103.0157

■ 43.5210, 51.0786,
102.1731

■ 39.3012, 45.9727,
101.4100

■ 35.9760, 41.4978,
100.7215

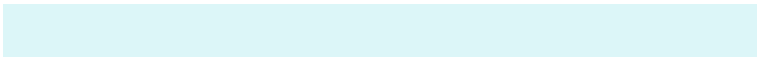
■ 33.4369, 37.5951,
100.1020

■ 31.9382, 34.9964,
99.6794

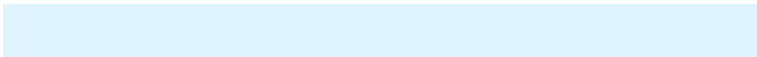
Harmonies

Analogous

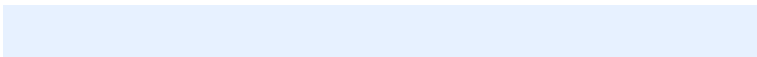
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2142, 87.6093, 101.8854



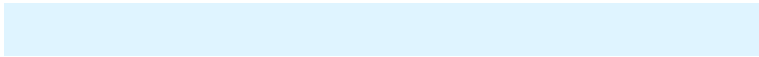
80.8321, 87.6093, 107.2577



83.1291, 87.6093, 109.4322

Triad

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



80.8321, 87.6093, 107.2577



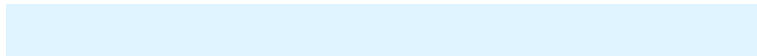
88.0382, 87.6093, 95.7960



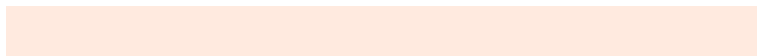
81.0718, 87.6093, 84.0629

Complementary

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



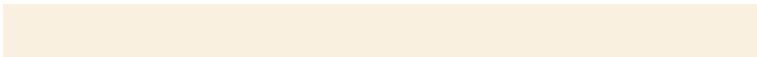
80.8321, 87.6093, 107.2577



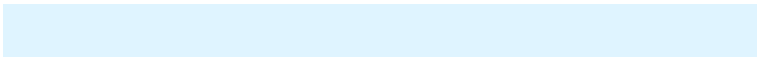
83.9816, 85.4319, 81.8774

Split Complementary

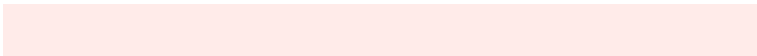
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4111, 87.6093, 82.6065



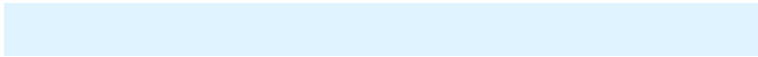
80.8321, 87.6093, 107.2577



87.4619, 87.6093, 89.1798

Square

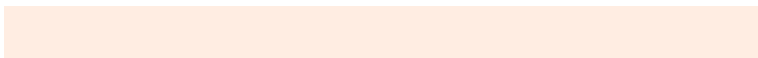
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8321, 87.6093, 107.2577



87.3163, 87.6093, 102.6181



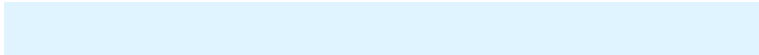
85.7565, 87.6093, 84.4347



79.3507, 87.6093, 88.5127

Rectangle

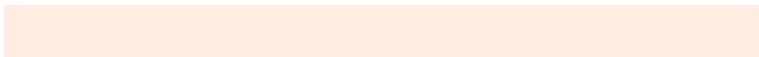
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8321, 87.6093, 107.2577



84.7468, 87.6093, 108.6994



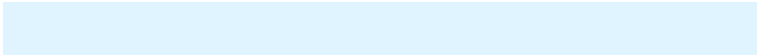
85.7565, 87.6093, 84.4347



81.8105, 87.6093, 83.2169

Sweetspot

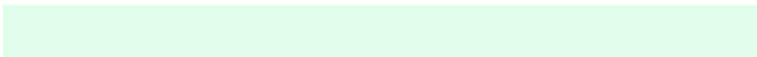
The Sweet Spot groups the original color and five complimentary colors.



80.8344, 87.6128, 107.2583



90.2885, 95.9007, 108.3597



80.9958, 93.1298, 91.2992



19.1390, 20.3651, 23.1721



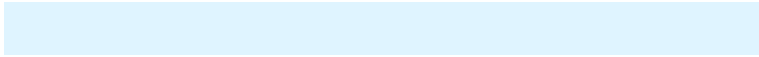
0.0000, 0.0000, 0.0000



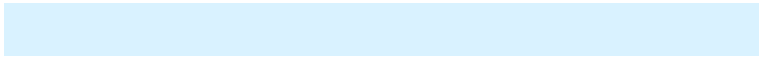
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8344, 87.6128, 107.2583



78.3005, 85.3525, 106.9555



76.3179, 78.5798, 105.7528



17.9986, 19.3687, 23.0399



16.8329, 18.5754, 52.1328



1.7408, 2.0123, 5.1099

Inverse Universe

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



83.9582, 80.5686, 96.7183



81.9940, 77.1591, 94.4633



88.6418, 94.7523, 83.4308



18.5119, 18.1881, 21.3129



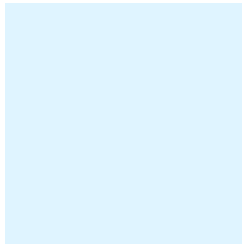
25.2847, 12.6032, 20.6814



2.5133, 1.2477, 2.2843

Previews

White Background



This preview shows how the XYZ color 80.8321, 87.6093, 107.2577 looks on a white background.

Color Contrast Check

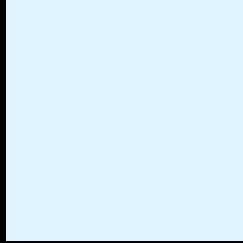
Large Text (above 18pt) WCAG AA × Fail

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 80.8321, 87.6093, 107.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

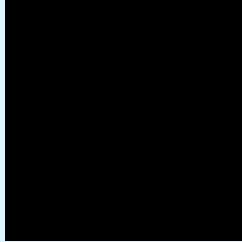
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

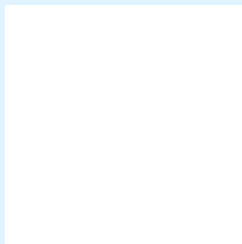
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8321, 87.6093, 107.2577

Background



This preview shows how black text looks on a background with the XYZ color 80.8321, 87.6093, 107.2577.



This preview shows how white text looks on a background with the XYZ color 80.8321, 87.6093,

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

80.8321, 87.6093, 107.2577

Protanopia

84.7128, 87.4621, 104.5125

Deuteranopia

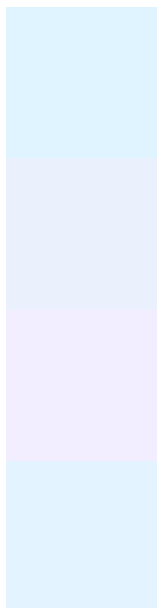
88.3459, 87.1365, 106.7704



Tritanopia

82.4353, 87.5473, 107.1612

Trichromacy



Original Color

80.8321, 87.6093, 107.2577

Protanomaly

83.1166, 87.4949, 105.4360

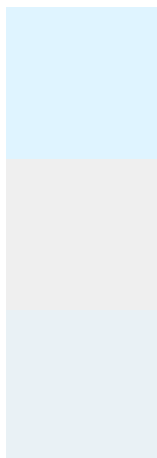
Deuteranomaly

85.5867, 87.4238, 106.9713

Tritanomaly

81.7791, 87.6521, 107.2161

Monochromacy



Original Color

80.8321, 87.6093, 107.2577

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5410, 86.8268, 98.8478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8321, 87.6093, 107.2577 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(223, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8321, 87.6093, 107.2577 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(223, 244, 255) }
```


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

```
.border{ border-color:rgb(223, 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(223, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8321, 87.6093, 107.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 244, 255) }
```

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

```
.background{ background-color: rgb(223,  
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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