

Converting Colors

XYZ(82.6857, 88.0138,
118.1560)

Have a look what the booklet for
XYZ(82.6857, 88.0138, 118.1560)
contains.

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Color

**XYZ(80.5320, 87.0092,
107.1577)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF3FF
RGB	223, 243, 255
RGB Percent	87%, 95%, 100%
CMY	0.1255, 0.0470, 0.0000
CMYK	0.13, 0.05, 0.00, 0.00
HSL	202°, 100%, 94%
HSV	202°, 13%, 100%
XYZ	80.5320, 87.0092, 107.1577
YIQ	238.3880, -15.7720, -0.5080

Conversions

Conversions Part 2

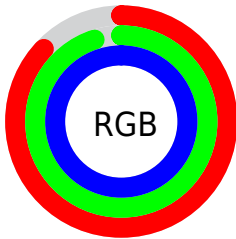
Format	Color
R _Y B	223, 235, 255
Decimal	14676991
CIE Lab	94.74, -4.21, -8.00
CIE LCh	95, 9.042, 242.268
Yxy	87.0092, 0.2932, 0.3167
Android (android.graphics.Color)	4292867071 (0xFFDFF3FF)
YUV	238.3880, 8.1897, -13.4953
Hunter-Lab	93.2787, -9.1301, -2.8167

Details

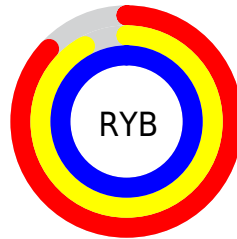
The XYZ color **80.5320, 87.0092, 107.1577** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2670, 86.0026, 81.9724**, and the grayscale version is **81.5179, 85.7631, 93.3961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1118, 47.9427, 60.3550** is the 20% darker color. If you saturate the color by 10%, you get **70.4732, 77.6892, 105.8889**, and if you desaturate by 10%, it is **91.9275, 97.2441, 108.5326**.

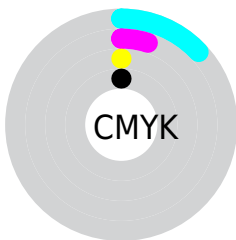
Distribution



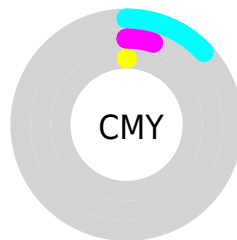
- Red (87%)
- Green (95%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- Blue (100%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5320, 87.0092, 107.1577 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 80.5320, 87.0092, 107.1577 by changing the saturation by 10% instead.

80.5320, 87.0092,
107.1577

80.5320, 87.0092,
107.1577

485.4332,
518.2531, 604.3468

60.4662, 65.5028,
81.6414

133.0600,
143.1770, 173.0966

44.0454, 47.8689,
60.5359

166.2530,
178.6071, 214.3563

30.9043, 33.7231,
43.4226

204.5524,
219.4474, 261.7010

20.6774, 22.6810,
29.8830

248.3235,
266.0820, 315.5491

12.9995, 14.3581,
19.4985

297.9318,
318.8955, 376.3192

7.5052, 8.3702,
11.8506

353.7427,

3.8291, 4.3327,

378.2723, 444.4298

6.5207

416.1213,
444.5967, 520.2995

■ 1.6059, 1.8614,
3.0904

■ 0.3963, 0.5250,
1.1410

■ 80.5320, 87.0092,
107.1577

■ 80.5320, 87.0092,
107.1577

■ 70.4732, 77.6892,
105.8889

■ 91.9275, 97.2441,
108.5326

■ 61.6892, 69.2419,
104.7214

95.0500, 100.0000,
108.9000

■ 54.1234, 61.6369,
103.6522

■ 47.7118, 54.8378,
102.6778

■ 42.3841, 48.8048,
101.7941

■ 38.0617, 43.4937,
100.9968

■ 34.6541, 38.8540,
100.2809

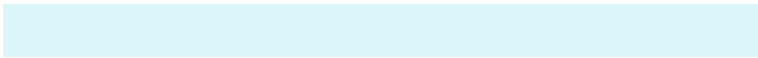
■ 32.0522, 34.8257,
99.6404

■ 30.5190, 32.1581,
99.2063

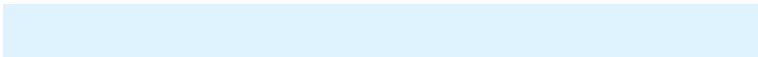
Harmonies

Analogous

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



78.7892, 87.0092, 102.1070



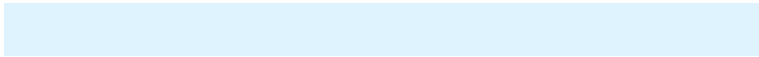
80.5320, 87.0092, 107.1577



82.8858, 87.0092, 108.8332

Triad

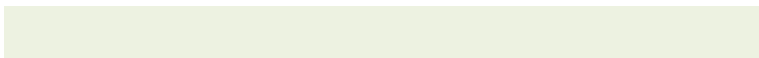
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5320, 87.0092, 107.1577



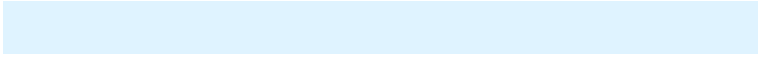
87.4849, 87.0092, 94.2066



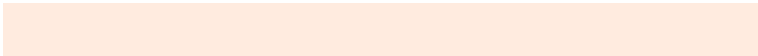
80.2159, 87.0092, 83.8074

Complementary

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



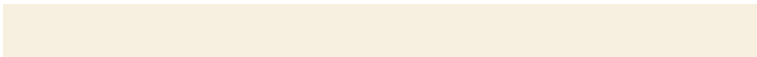
80.5320, 87.0092, 107.1577



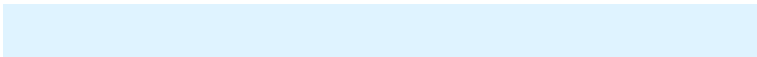
84.2670, 86.0026, 81.9724

Split Complementary

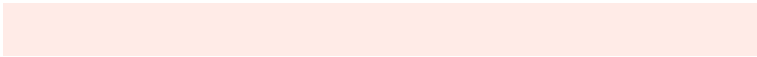
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5138, 87.0092, 81.9160



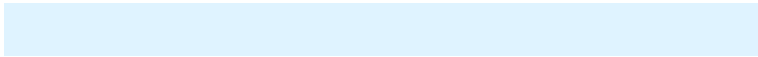
80.5320, 87.0092, 107.1577



86.7374, 87.0092, 87.7328

Square

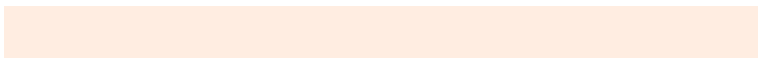
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5320, 87.0092, 107.1577



86.9295, 87.0092, 101.1402



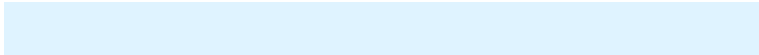
84.9058, 87.0092, 83.3175



78.6093, 87.0092, 88.6122

Rectangle

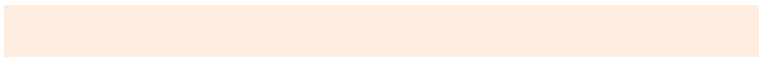
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5320, 87.0092, 107.1577



84.4933, 87.0092, 107.7474



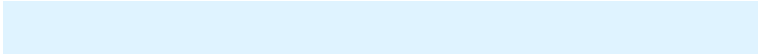
84.9058, 87.0092, 83.3175



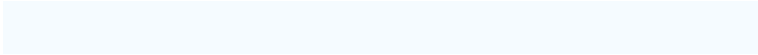
80.9315, 87.0092, 82.8207

Sweetspot

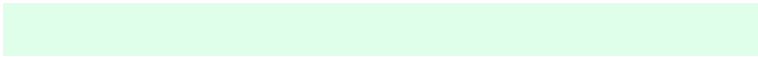
The Sweet Spot groups the original color and five complimentary colors.



80.5343, 87.0127, 107.1583



90.1888, 95.7012, 108.3265



81.1492, 93.1911, 92.1071



19.1137, 20.3145, 23.1636



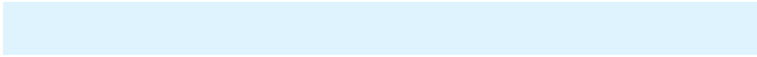
0.0000, 0.0000, 0.0000



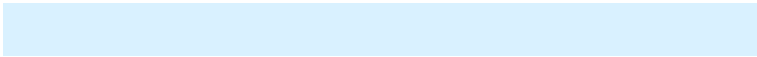
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5343, 87.0127, 107.1583



77.9463, 84.6439, 106.8374



76.0247, 77.9935, 105.6551



17.9492, 19.2700, 23.0234



16.0950, 17.0996, 51.8868



1.6722, 1.8750, 5.0871

Inverse Universe

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



83.8067, 80.5079, 95.9208



81.8152, 77.0876, 93.5217



88.9736, 95.4159, 83.5412



18.4870, 18.1781, 21.1817



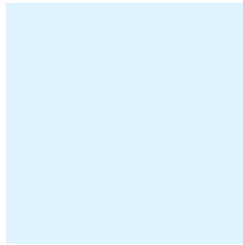
24.9122, 12.4542, 18.7201



2.4786, 1.2338, 2.1019

Previews

White Background



This preview shows how the XYZ color 80.5320, 87.0092, 107.1577 looks on a white background.

Color Contrast Check

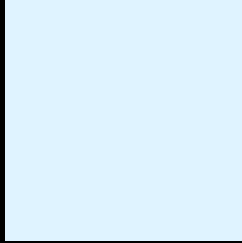
Large Text (above 18pt) WCAG AA × Fail

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 80.5320, 87.0092, 107.1577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

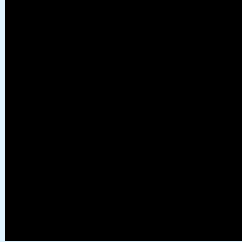
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

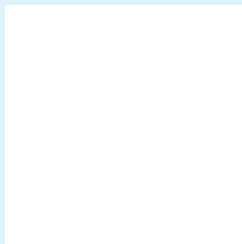
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5320, 87.0092, 107.1577

Background



This preview shows how black text looks on a background with the XYZ color 80.5320, 87.0092, 107.1577.



This preview shows how white text looks on a background with the XYZ color 80.5320, 87.0092,

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

80.5320, 87.0092, 107.1577

Protanopia

84.0804, 86.7026, 104.3992

Deuteranopia

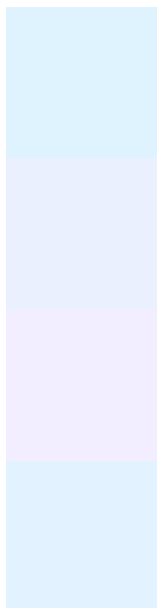
87.9808, 86.9483, 106.7533



Tritanopia

81.8184, 86.7886, 107.0473

Trichromacy



Original Color

80.5320, 87.0092, 107.1577

Protanomaly

82.8214, 86.9045, 105.3376

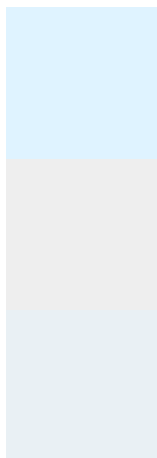
Deuteranomaly

84.9521, 86.6656, 106.8584

Tritanomaly

81.4807, 87.0552, 107.1166

Monochromacy



Original Color

80.5320, 87.0092, 107.1577

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.0935, 86.1755, 97.9474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5320, 87.0092, 107.1577 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 243, 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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.5320, 87.0092, 107.1577 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, 243, 255) }
```


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

```
.border{ border-color:rgb(223, 243, 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, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5320, 87.0092, 107.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 243, 255) }
```

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

```
.background{ background-color: rgb(223,  
243, 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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