

Converting Colors

XYZ(98.4923, 95.0212,
202.8920)

Have a look what the booklet for
XYZ(98.4923, 95.0212, 202.8920)
contains.

XYZ(80.5212, 87.8970, 107.3296)	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(80.5212, 87.8970,
107.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF5FF
RGB	221, 245, 255
RGB Percent	87%, 96%, 100%
CMY	0.1333, 0.0392, 0.0000
CMYK	0.13, 0.04, 0.00, 0.00
HSL	198°, 100%, 93%
HSV	198°, 13%, 100%
XYZ	80.5212, 87.8970, 107.3296
YIQ	238.9640, -17.5140, -1.9780

Conversions

Conversions Part 2

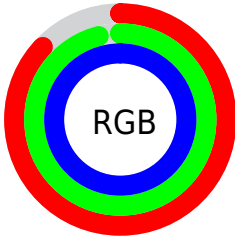
Format	Color
RYB	221, 235, 255
Decimal	14546431
CIELab	95.12, -5.85, -7.46
CIElCh	95, 9.480, 231.922
Yxy	87.8970, 0.2920, 0.3188
Android (android.graphics.Color)	4292736511 (0xFFDDDF5FF)
YUV	238.9640, 7.9057, -15.7544
Hunter-Lab	93.7534, -10.7616, -2.2483

Details

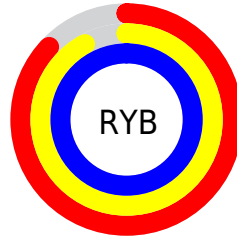
The XYZ color **80.5212, 87.8970, 107.3296** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8665, 83.6307, 80.1830**, and the grayscale version is **81.9683, 86.2370, 93.9121**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1165, 48.5794, 60.4777** is the 20% darker color. If you saturate the color by 10%, you get **71.1174, 79.7526, 106.2532**, and if you desaturate by 10%, it is **91.2007, 96.8402, 108.4930**.

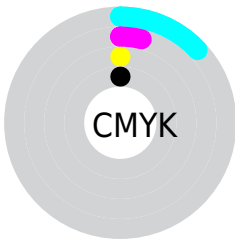
Distribution



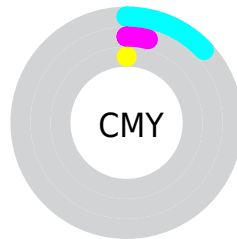
- Red (87%)
- Green (96%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- 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 80.5212, 87.8970, 107.3296 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 80.5212, 87.8970, 107.3296 by changing the saturation by 10% instead.

80.5212, 87.8970,
107.3296

80.5212, 87.8970,
107.3296

485.3974,
521.1659, 604.8913

60.4573, 66.2378,
81.7848

133.0449,
144.4138, 173.3332

44.0382, 48.4654,
60.6534

166.2355,
180.0401, 214.6292

30.8986, 34.1956,
43.5168

204.5323,
221.0909, 262.0127

20.6731, 23.0439,
29.9564

248.3007,
267.9505, 315.9022

12.9963, 14.6259,
19.5537

297.9060,
321.0035, 376.7163

7.5030, 8.5573,
11.8902

353.7137,

3.8277, 4.4536,

380.6341, 444.8734

6.5473

416.0890,
447.2267, 520.7923

■ 1.6051, 1.9304,
3.1065

■ 0.3958, 0.5665,
1.1493

■ 80.5212, 87.8970,
107.3296

■ 80.5212, 87.8970,
107.3296

■ 71.1174, 79.7526,
106.2532

■ 91.2007, 96.8402,
108.4930

■ 62.9283, 72.3668,
105.2593

95.0500, 100.0000,
108.9000

■ 55.8980, 65.7116,
104.3452

■ 49.9634, 59.7528,
103.5078

■ 45.0549, 54.4529,
102.7436

■ 41.0944, 49.7698,
102.0484

■ 37.9917, 45.6553,
101.4177

■ 35.6371, 42.0511,
100.8461

■ 34.3783, 39.8767,
100.4928

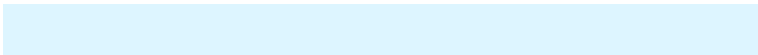
Harmonies

Analogous

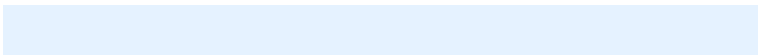
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0254, 87.8970, 101.1076



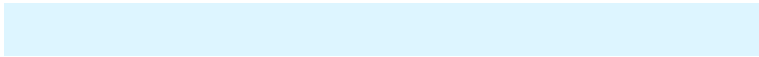
80.5212, 87.8970, 107.3296



82.8483, 87.8970, 110.4714

Triad

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



80.5212, 87.8970, 107.3296



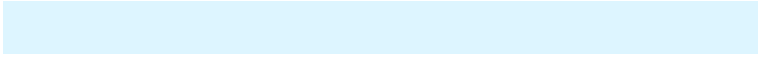
88.5518, 87.8970, 97.7152



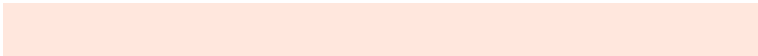
81.7051, 87.8970, 83.1208

Complementary

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



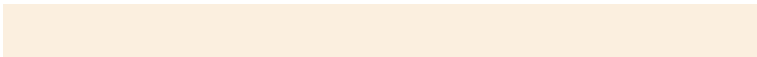
80.5212, 87.8970, 107.3296



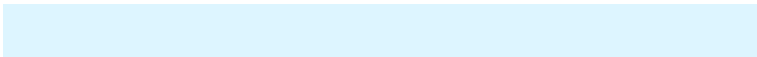
82.8665, 83.6307, 80.1830

Split Complementary

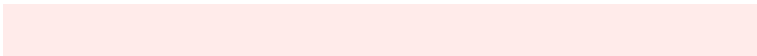
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2425, 87.8970, 82.3166



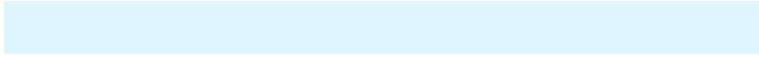
80.5212, 87.8970, 107.3296



88.2305, 87.8970, 90.4982

Square

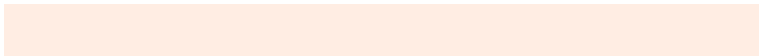
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



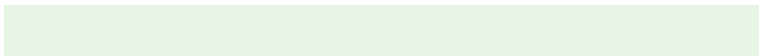
80.5212, 87.8970, 107.3296



87.5096, 87.8970, 104.7371



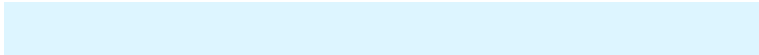
86.6404, 87.8970, 84.9514



79.6990, 87.8970, 87.2075

Rectangle

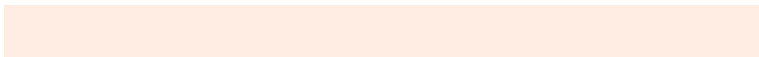
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5212, 87.8970, 107.3296



84.5724, 87.8970, 110.2895



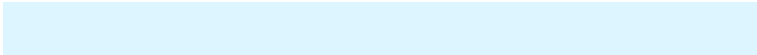
86.6404, 87.8970, 84.9514



82.5229, 87.8970, 82.4663

Sweetspot

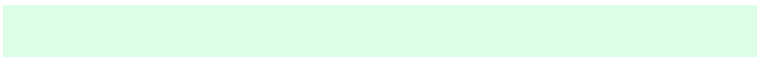
The Sweet Spot groups the original color and five complimentary colors.



80.5235, 87.9006, 107.3302



90.4473, 96.2182, 108.4126



79.9518, 92.6414, 88.9990



19.1792, 20.4456, 23.1855



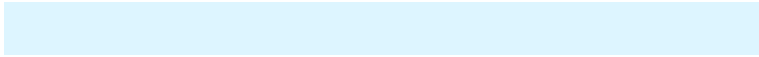
0.0000, 0.0000, 0.0000



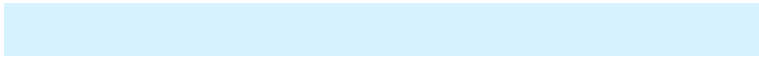
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5235, 87.9006, 107.3302



77.8922, 85.6508, 107.0346



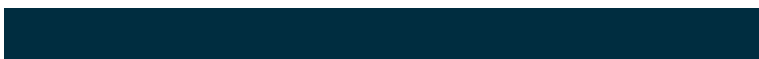
75.7144, 78.2823, 105.7272



18.0774, 19.5264, 23.0661



18.0992, 21.1079, 52.5549



1.8570, 2.2448, 5.1487

Inverse Universe

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



83.5793, 79.5670, 97.3433



81.5157, 75.9258, 95.1573



87.7464, 93.3904, 81.8096



18.5517, 18.2040, 21.5225



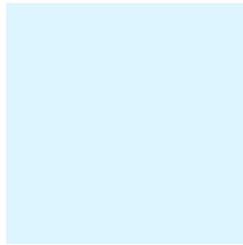
25.9238, 12.8588, 24.0470



2.5720, 1.2712, 2.5933

Previews

White Background



This preview shows how the XYZ color 80.5212, 87.8970, 107.3296 looks on a white background.

Color Contrast Check

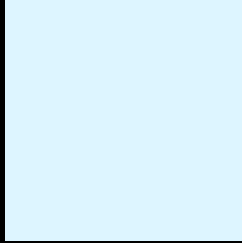
Large Text (above 18pt) WCAG AA × Fail

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 80.5212, 87.8970, 107.3296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

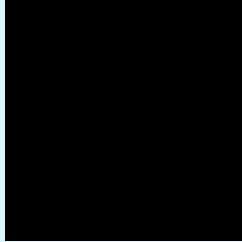
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5212, 87.8970, 107.3296

Background



This preview shows how black text looks on a background with the XYZ color 80.5212, 87.8970, 107.3296.



This preview shows how white text looks on a background with the XYZ color 80.5212, 87.8970,

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

80.5212, 87.8970, 107.3296

Protanopia

85.0551, 87.6385, 104.5285

Deuteranopia

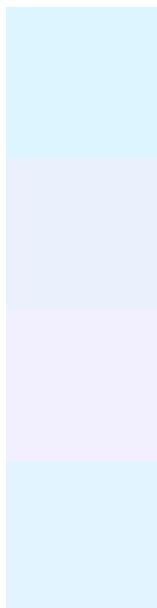
88.6314, 87.7075, 106.8656



Tritanopia

82.4137, 87.9792, 107.2458

Trichromacy



Original Color

80.5212, 87.8970, 107.3296

Protanomaly

83.1166, 87.4949, 105.4360

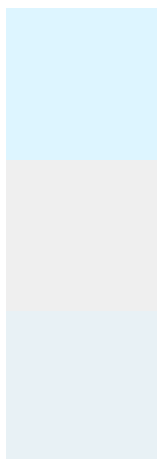
Deuteranomaly

85.5345, 87.8302, 107.0525

Tritanomaly

81.7647, 88.0901, 107.3014

Monochromacy



Original Color

80.5212, 87.8970, 107.3296

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.2154, 86.6590, 98.8325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5212, 87.8970, 107.3296 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(221, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 245, 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(221, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.5212, 87.8970, 107.3296 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(221, 245, 255) }
```


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

```
.border{ border-color:rgb(221, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5212, 87.8970, 107.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 245, 255) }
```

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

```
.background{ background-color: rgb(221,  
245, 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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