

Converting Colors

XYZ(84.6596, 100.0000,
101.6605)

Have a look what the booklet for
XYZ(84.6596, 100.0000, 101.6605)
contains.

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Color

**XYZ(81.3080, 93.0792,
100.8695)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFF6
RGB	218, 255, 246
RGB Percent	85%, 100%, 96%
CMY	0.1451, 0.0000, 0.0353
CMYK	0.15, 0.00, 0.04, 0.00
HSL	165°, 100%, 93%
HSV	165°, 15%, 100%
XYZ	81.3080, 93.0792, 100.8695
YIQ	242.9110, -19.1630, -10.6430

Conversions

Conversions Part 2

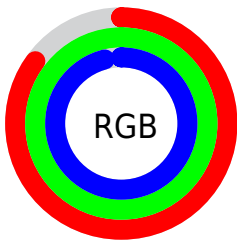
Format	Color
R _Y B	218, 239, 255
Decimal	14352374
CIE Lab	97.26, -13.54, 0.31
CIE LCh	97, 13.548, 178.700
Yxy	93.0792, 0.2954, 0.3382
Android (android.graphics.Color)	4292542454 (0xFFDAFFF6)
YUV	242.9110, 1.5229, -21.8469
Hunter-Lab	96.4776, -18.4020, 5.5452

Details

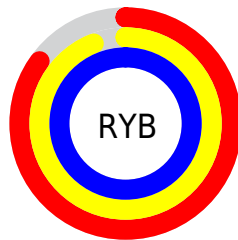
The XYZ color **81.3080, 93.0792, 100.8695** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1772, 76.9501, 83.3004**, and the grayscale version is **85.1195, 89.5524, 97.5225**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5926, 51.8924, 56.3812** is the 20% darker color. If you saturate the color by 10%, you get **73.3241, 89.0715, 95.6104**, and if you desaturate by 10%, it is **90.4987, 97.7054, 106.3540**.

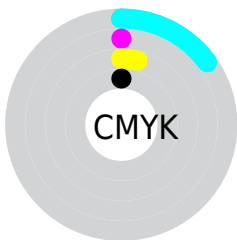
Distribution



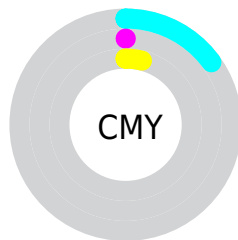
- Red (85%)
- Green (100%)
- Blue (96%)



- Red (85%)
- Yellow (94%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.3080, 93.0792, 100.8695 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 81.3080, 93.0792, 100.8695 by changing the saturation by 10% instead.

81.3080, 93.0792,
100.8695

81.3080, 93.0792,
100.8695

487.9997,
537.9973, 584.2473

61.1075, 70.5373,
76.4060

134.1440,
151.6083, 164.4138

44.5648, 51.9647,
56.2568

167.5103,
188.3642, 204.3317

31.3146, 36.9770,
40.0035

205.9958,
230.6270, 250.2382

20.9915, 25.1896,
27.2275

249.9659,
278.7811, 302.5517

13.2302, 16.2184,
17.5102

299.7860,
333.2107, 361.6908

7.6654, 9.6788,
10.4331

355.8214,

3.9316, 5.1865,

394.3004, 428.0741

5.5777

418.4375,
462.4344, 502.1200

■ 1.6635, 2.3571,
2.5254

■ 0.4333, 0.8037,
0.8536

■ 81.3080, 93.0792,
100.8695

■ 81.3080, 93.0792,
100.8695

■ 73.3241, 89.0715,
95.6104

■ 90.4987, 97.7054,
106.3540

■ 66.4904, 85.6532,
90.5679

95.0500, 100.0000,
108.9000

■ 60.7500, 82.7948,
85.7394

■ 56.0399, 80.4640,
81.1201

■ 52.2903, 78.6249,
76.7053

■ 49.4229, 77.2370,
72.4894

■ 47.3464, 76.2534,
68.4666

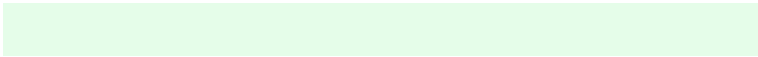
■ 45.9491, 75.6166,
64.6297

■ 45.3836, 75.3694,
62.5973

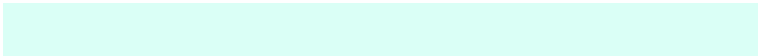
Harmonies

Analogous

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



82.3237, 93.0792, 90.7790



81.3080, 93.0792, 100.8695



82.1645, 93.0792, 111.8182

Triad

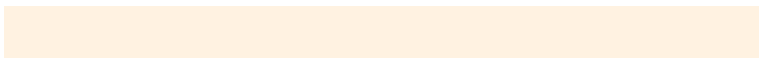
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3080, 93.0792, 100.8695



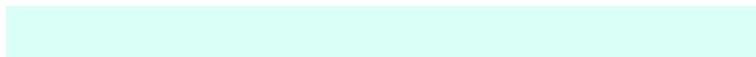
92.0533, 93.0792, 120.9984



92.3509, 93.0792, 84.3712

Complementary

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



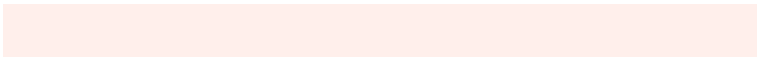
81.3080, 93.0792, 100.8695



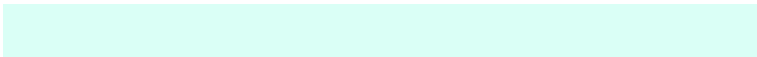
80.1772, 76.9501, 83.3004

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.



95.0880, 93.0792, 91.5516



81.3080, 93.0792, 100.8695



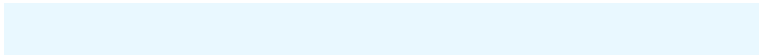
94.9127, 93.0792, 112.7058

Square

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



81.3080, 93.0792, 100.8695



88.3020, 93.0792, 123.9321



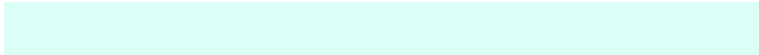
96.0386, 93.0792, 101.8269



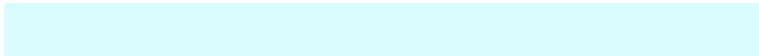
88.6362, 93.0792, 81.6881

Rectangle

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



81.3080, 93.0792, 100.8695



83.6963, 93.0792, 118.0345



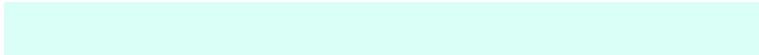
96.0386, 93.0792, 101.8269



93.4197, 93.0792, 86.3122

Sweetspot

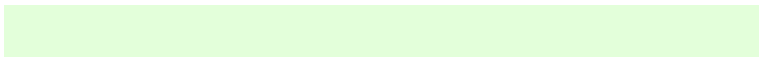
The Sweet Spot groups the original color and five complimentary colors.



81.3090, 93.0797, 100.8710



90.9996, 97.9578, 106.6390



80.1732, 92.9539, 80.0475



19.3194, 20.8873, 22.7350



0.0000, 0.0000, 0.0000



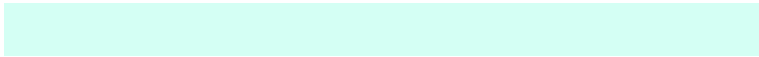
20.3446, 21.4041, 23.3091

Same Dimension

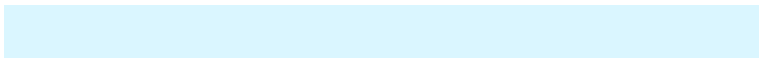
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3090, 93.0797, 100.8710



79.2092, 92.0245, 99.5399



79.8441, 87.8857, 107.3631



18.3549, 20.4015, 22.1719



23.7759, 39.4070, 33.0348



2.3579, 3.8541, 3.4426

Inverse Universe

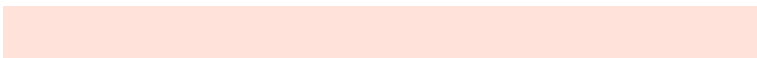
The Inverse Universe completely reimagines the original color for something new.



80.1772, 76.9501, 83.3004



77.9068, 73.4564, 79.3154



81.4332, 81.3980, 77.7506



18.1905, 18.0595, 19.6202



22.0521, 11.3101, 3.6590



2.1880, 1.1176, 0.5714

Previews

White Background



This preview shows how the XYZ color 81.3080, 93.0792, 100.8695 looks on a white background.

Color Contrast Check

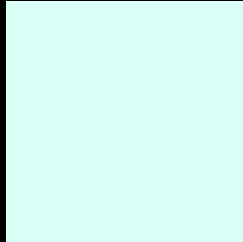
Large Text (above 18pt) WCAG AA × Fail

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 81.3080, 93.0792, 100.8695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

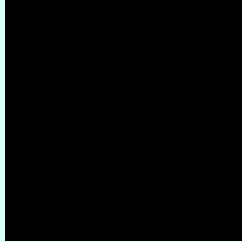
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

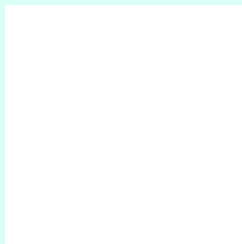
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3080, 93.0792, 100.8695

Background



This preview shows how black text looks on a background with the XYZ color 81.3080, 93.0792, 100.8695.



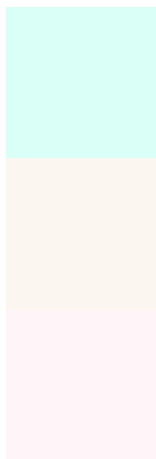
This preview shows how white text looks on a background with the XYZ color 81.3080, 93.0792,

100.8695.

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

81.3080, 93.0792, 100.8695

Protanopia

88.9778, 92.9579, 96.4721

Deuteranopia

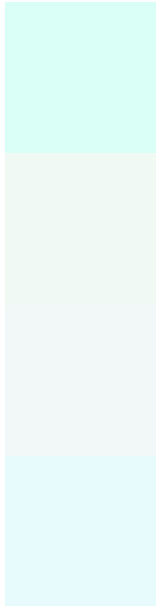
90.5340, 92.7387, 101.9356



Tritanopia

87.2140, 92.7055, 107.9050

Trichromacy



Original Color

81.3080, 93.0792, 100.8695

Protanomaly

85.9885, 92.7477, 98.1640

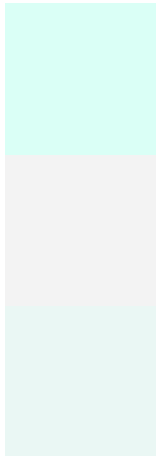
Deuteranomaly

86.9739, 92.7274, 101.3099

Tritanomaly

85.0229, 93.0116, 105.5673

Monochromacy



Original Color

81.3080, 93.0792, 100.8695

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.5216, 90.5456, 98.6629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3080, 93.0792, 100.8695 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(218, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 246)  
}
```

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(218, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 81.3080, 93.0792, 100.8695 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(218, 255, 246) }
```


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

```
.border{ border-color:rgb(218, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3080, 93.0792, 100.8695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 246) }
```

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

```
.background{ background-color: rgb(218,  
255, 246) }
```

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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