

Converting Colors

XYZ(84.2775, 100.0000,
104.6020)

Have a look what the booklet for
XYZ(84.2775, 100.0000, 104.6020)
contains.

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Color

**XYZ(80.5904, 92.6557,
103.2593)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFF9
RGB	214, 255, 249
RGB Percent	84%, 100%, 98%
CMY	0.1608, 0.0000, 0.0235
CMYK	0.16, 0.00, 0.02, 0.00
HSL	171°, 100%, 92%
HSV	171°, 16%, 100%
XYZ	80.5904, 92.6557, 103.2593
YIQ	242.0570, -22.5100, -10.5580

Conversions

Conversions Part 2

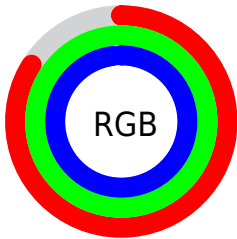
Format	Color
R_{YB}	214, 236, 255
Decimal	14090233
CIE Lab	97.09, -14.20, -1.52
CIE LCh	97, 14.284, 186.096
Yxy	92.6557, 0.2915, 0.3351
Android (android.graphics.Color)	4292280313 (0xFFD6FFF9)
YUV	242.0570, 3.4229, -24.6060
Hunter-Lab	96.2578, -19.0048, 3.7779

Details

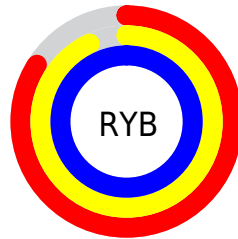
The XYZ color **80.5904, 92.6557, 103.2593** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2054, 74.5215, 77.9726**, and the grayscale version is **84.4294, 88.8263, 96.7318**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1178, 51.6094, 58.0884** is the 20% darker color. If you saturate the color by 10%, you get **73.1458, 88.8844, 99.9045**, and if you desaturate by 10%, it is **89.2134, 97.0331, 106.7325**.

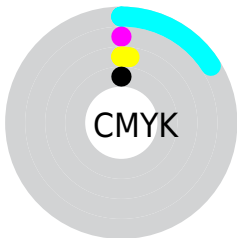
Distribution



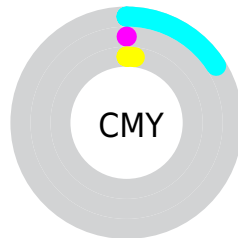
- Red (84%)
- Green (100%)
- Blue (98%)



- Red (84%)
- Yellow (93%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5904, 92.6557, 103.2593 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 80.5904, 92.6557, 103.2593 by changing the saturation by 10% instead.


 80.5904, 92.6557,
103.2593

 80.5904, 92.6557,
103.2593


485.6266,
536.6324, 591.9282

 60.5144, 70.1854,
78.3933


133.1417,
151.0219, 167.7199

 44.0845, 51.6777,
57.8787


166.3477,
187.6865, 208.1515

 30.9351, 36.7482,
41.2971

204.6611,
229.8513, 254.6087

 20.7010, 25.0126,
28.2299

248.4473,
277.9007, 307.5101

 13.0169, 16.0864,
18.2585

298.0715,
332.2191, 367.2742

 7.5172, 9.5853,
10.9644

353.8993,

 3.8368, 5.1249,

393.1910, 434.3196

5.9290

416.2958,
461.2006, 509.0647

■ 1.6102, 2.3207,
2.7339

■ 0.3991, 0.7847,
0.9604

■ 80.5904, 92.6557,
103.2593

■ 80.5904, 92.6557,
103.2593

■ 73.1458, 88.8844,
99.9045

■ 89.2134, 97.0331,
106.7325

■ 66.8227, 85.6900,
96.6607

95.0500, 100.0000,
108.9000

■ 61.5637, 83.0428,
93.5263

■ 57.3049, 80.9099,
90.4980

■ 53.9760, 79.2551,
87.5722

■ 51.4969, 78.0371,
84.7447

■ 49.7742, 77.2078,
82.0109

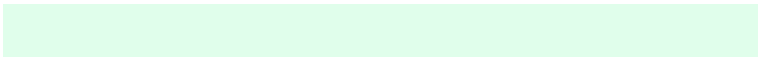
■ 48.6919, 76.7072,
79.3649

■ 48.3746, 76.5659,
78.3477

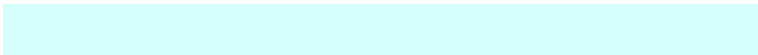
Harmonies

Analogous

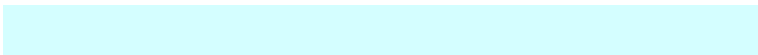
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1765, 92.6557, 92.1660



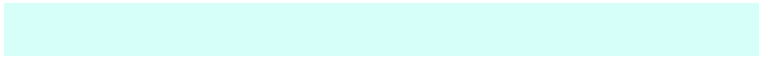
80.5904, 92.6557, 103.2593



81.9577, 92.6557, 114.5209

Triad

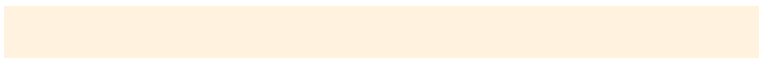
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5904, 92.6557, 103.2593



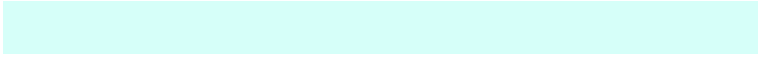
92.7068, 92.6557, 119.8838



91.2409, 92.6557, 81.9430

Complementary

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



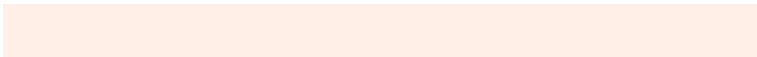
80.5904, 92.6557, 103.2593



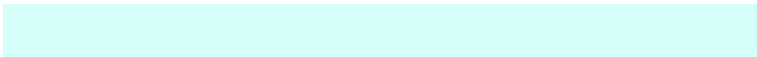
78.2054, 74.5215, 77.9726

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.



94.4715, 92.6557, 88.3793



80.5904, 92.6557, 103.2593



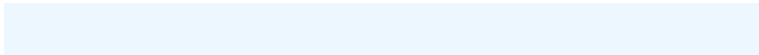
95.3357, 92.6557, 110.1400

Square

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



80.5904, 92.6557, 103.2593



88.8912, 92.6557, 124.5784



95.9911, 92.6557, 98.5499



87.2469, 92.6557, 80.4063

Rectangle

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



80.5904, 92.6557, 103.2593



83.8182, 92.6557, 120.4305



95.9911, 92.6557, 98.5499



92.4559, 92.6557, 83.5800

Sweetspot

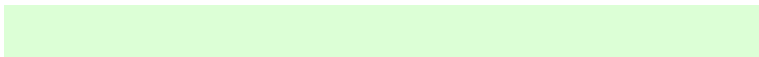
The Sweet Spot groups the original color and five complimentary colors.



80.5913, 92.6561, 103.2608



90.2149, 97.5419, 107.1136



77.4590, 91.6145, 77.2206



19.1696, 20.8068, 22.8735



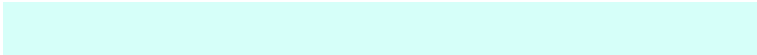
0.0000, 0.0000, 0.0000



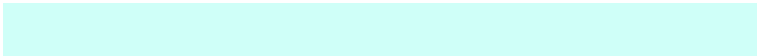
20.3446, 21.4041, 23.3091

Same Dimension

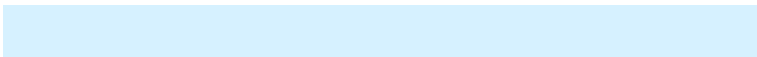
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5913, 92.6561, 103.2608



78.2961, 91.4925, 102.2681



77.1342, 84.2205, 106.7985



18.4339, 20.4331, 22.5877



25.3204, 40.0247, 41.1679



2.4952, 3.9090, 4.1653

Inverse Universe

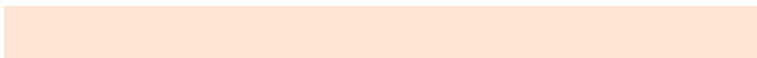
The Inverse Universe completely reimagines the original color for something new.



78.2054, 74.5215, 77.9726



75.5354, 70.5045, 73.0041



81.2180, 81.7955, 75.1272



18.1176, 18.0304, 19.2366



21.7582, 11.1926, 2.1110



2.1492, 1.1021, 0.3673

Previews

White Background



This preview shows how the XYZ color 80.5904, 92.6557, 103.2593 looks on a white background.

Color Contrast Check

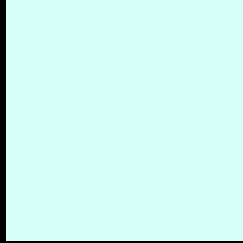
Large Text (above 18pt) WCAG AA × Fail

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 80.5904, 92.6557, 103.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

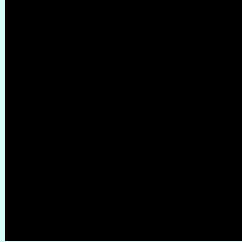
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

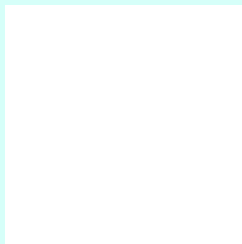
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5904, 92.6557, 103.2593

Background



This preview shows how black text looks on a background with the XYZ color 80.5904, 92.6557, 103.2593.



This preview shows how white text looks on a background with the XYZ color 80.5904, 92.6557,

103.2593.

Color Blindness Simulation

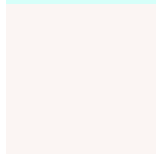
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



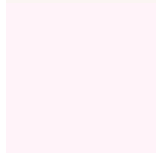
Original Color

80.5904, 92.6557, 103.2593



Protanopia

88.6137, 92.2851, 97.9364



Deuteranopia

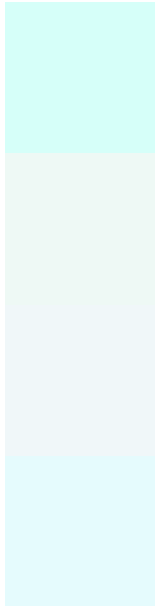
90.3895, 92.2007, 102.6550



Tritanopia

86.5425, 92.3593, 107.8736

Trichromacy



Original Color

80.5904, 92.6557, 103.2593

Protanomaly

85.6170, 92.5211, 99.7321

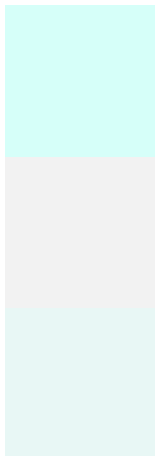
Deuteranomaly

86.2948, 91.8863, 102.8101

Tritanomaly

84.5399, 92.7442, 106.3742

Monochromacy



Original Color

80.5904, 92.6557, 103.2593

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.0209, 90.2699, 99.4344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5904, 92.6557, 103.2593 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(214, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 249)  
}
```

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(214, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 80.5904, 92.6557, 103.2593 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(214, 255, 249) }
```


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

```
.border{ border-color:rgb(214, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5904, 92.6557, 103.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 249) }
```

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

```
.background{ background-color: rgb(214,  
255, 249) }
```

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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