

Converting Colors

XYZ(84.6777, 95.6001, 65.6199)

Have a look what the booklet for
XYZ(84.6777, 95.6001, 65.6199)
contains.

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Color

**XYZ(84.6772, 95.5999,
65.6194)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFC3
RGB	249, 255, 195
RGB Percent	98%, 100%, 76%
CMY	0.0235, 0.0000, 0.2353
CMYK	0.02, 0.00, 0.24, 0.00
HSL	66°, 100%, 88%
HSV	66°, 24%, 100%
XYZ	84.6772, 95.5999, 65.6194
YIQ	246.3660, 15.6840, -19.9320

Conversions

Conversions Part 2

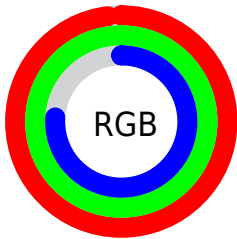
Format	Color
R_{YB}	195, 255, 201
Decimal	16383939
CIE _{Lab}	98.27, -11.44, 28.09
CIE _{LCh}	98, 30.329, 112.169
Yxy	95.5999, 0.3444, 0.3888
Android (android.graphics.Color)	4294574019 (0xFFF9FFC3)
YUV	246.3660, -25.3234, 2.3100
Hunter-Lab	97.7752, -16.5185, 28.6516

Details

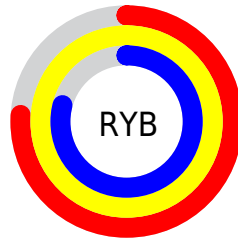
The XYZ color **84.6772, 95.5999, 65.6194** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.6535, 58.6690, 102.6825**, and the grayscale version is **88.0825, 92.6697, 100.9173**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **46.7400, 53.5177, 33.0658** is the 20% darker color. If you saturate the color by 10%, you get **81.1329, 94.0778, 51.6665**, and if you desaturate by 10%, it is **88.7271, 97.3255, 82.1687**.

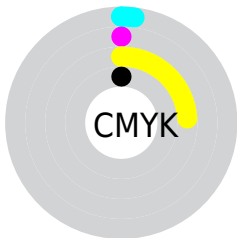
Distribution



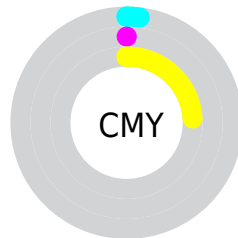
- Red (98%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (79%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.6772, 95.5999, 65.6194 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 84.6772, 95.5999, 65.6194 by changing the saturation by 10% instead.


 84.6772, 95.5999,
65.6194

 84.6772, 95.5999,
65.6194


499.0591,
546.0837, 463.3815

 63.8963, 72.6344,
47.5090


138.8384,
155.0931, 114.5617

 46.8280, 53.6771,
33.0810


172.9495,
192.3896, 146.2306

 33.1071, 38.3435,
21.9169


212.2346,
235.2319, 183.2562

 22.3681, 26.2494,
13.5981

257.0592,
284.0043, 226.0568

 14.2458, 17.0103,
7.7061

307.7886,
339.0913, 275.0511

 8.3746, 10.2419,
3.8224

364.7881,

 4.3894, 5.5596,

400.8773, 330.6577

1.5284

428.4232,
469.7466, 393.2949

■ 1.9247, 2.5792,
0.2390

■ 0.5911, 0.9162,
0.0000

■ 84.6772, 95.5999,
65.6194

■ 84.6772, 95.5999,
65.6194

■ 81.1329, 94.0778,
51.6665

■ 88.7271, 97.3255,
82.1687

■ 78.0679, 92.7490,
40.1742

■ 93.3046, 99.2637,
101.4327

■ 75.4553, 91.6025,
31.0006

95.0500, 100.0000,
108.9000

■ 73.2652, 90.6264,
23.9876

■ 71.4636, 89.8071,
18.9575

■ 70.0114, 89.1290,
15.7043

■ 68.8610, 88.5729,
13.9771

■ 68.2330, 88.2605,
13.4397

Harmonies

Analogous

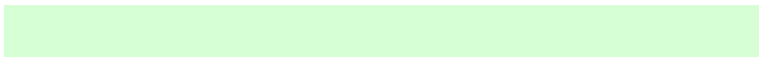
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1711, 95.5999, 63.3627



84.6772, 95.5999, 65.6194



78.2419, 95.5999, 77.3045

Triad

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



84.6772, 95.5999, 65.6194



80.9539, 95.5999, 146.8630



108.5283, 95.5999, 110.7801

Complementary

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



84.6772, 95.5999, 65.6194



61.6535, 58.6690, 102.6825

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.



104.7772, 95.5999, 136.4469



84.6772, 95.5999, 65.6194



88.5970, 95.5999, 159.3465

Square

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



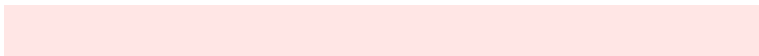
84.6772, 95.5999, 65.6194



76.1902, 95.5999, 123.3052



97.3468, 95.5999, 155.2573



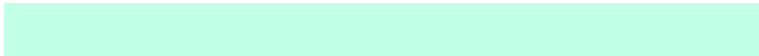
107.3122, 95.5999, 86.9862

Rectangle

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



84.6772, 95.5999, 65.6194



75.8044, 95.5999, 90.0552



97.3468, 95.5999, 155.2573



107.7985, 95.5999, 119.5166

Sweetspot

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



84.6776, 95.6000, 65.6207



91.6543, 98.5662, 94.4302



71.7453, 66.5097, 60.6874



19.5578, 21.0718, 19.9587



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

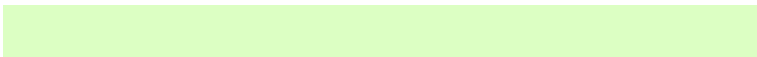
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6776, 95.6000, 65.6207



83.0317, 94.8948, 59.0682



75.1262, 90.6761, 65.1737



19.3717, 20.9930, 19.1754



35.7261, 46.1556, 7.0260



3.5281, 4.5196, 0.6864

Inverse Universe

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



61.6535, 58.6690, 102.6825



56.5280, 52.3777, 101.7383



70.1990, 63.0744, 103.0824



17.1715, 17.4646, 22.7159



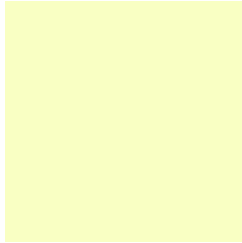
9.7025, 3.9123, 49.6784



0.9981, 0.4085, 4.8395

Previews

White Background



This preview shows how the XYZ color 84.6772, 95.5999, 65.6194 looks on a white background.

Color Contrast Check

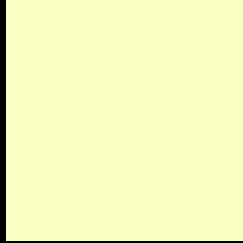
Large Text (above 18pt) WCAG AA × Fail

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 84.6772, 95.5999, 65.6194 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 84.6772, 95.5999, 65.6194

Background



This preview shows how black text looks on a background with the XYZ color 84.6772, 95.5999, 65.6194.



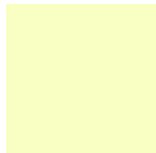
This preview shows how white text looks on a background with the XYZ color 84.6772, 95.5999,

65.6194.

Color Blindness Simulation

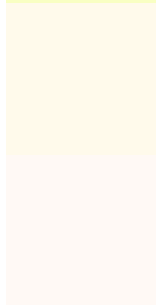
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.6772, 95.5999, 65.6194



Protanopia

90.4210, 95.6294, 92.2899

Deuteranopia

91.5971, 95.6039, 100.0119

Tritanopia

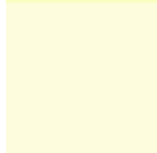
92.4337, 95.8540, 108.2376

Trichromacy



Original Color

84.6772, 95.5999, 65.6194



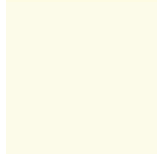
Protanomaly

88.2367, 95.6708, 81.5259



Deuteranomaly

88.8703, 95.4231, 86.4076



Tritanomaly

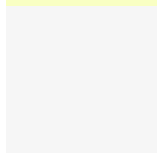
89.3500, 95.5730, 90.8290

Monochromacy



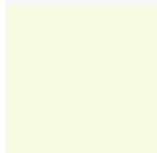
Original Color

84.6772, 95.5999, 65.6194



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.0986, 93.0716, 86.0998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6772, 95.5999, 65.6194 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(249, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 195)  
}
```

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(249, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 84.6772, 95.5999, 65.6194 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(249, 255, 195) }
```


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

```
.border{ border-color:rgb(249, 255, 195) }
```

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

Here you see how a box with a 4 pixel rgb(249, 255, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6772, 95.5999, 65.6194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 195) }
```

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

```
.background{ background-color: rgb(249,  
255, 195) }
```

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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