

Converting Colors

XYZ(51.5805, 63.1519, 94.5424)

Have a look what the booklet for
XYZ(51.5805, 63.1519, 94.5424)
contains.

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Color

**XYZ(51.5498, 63.0895,
94.2545)**

Conversions

Conversions Part 1

Format	Color
Hex	84DDF3
RGB	132, 221, 243
RGB Percent	52%, 87%, 95%
CMY	0.4823, 0.1333, 0.0471
CMYK	0.46, 0.09, 0.00, 0.05
HSL	192°, 82%, 74%
HSV	192°, 46%, 95%
XYZ	51.5498, 63.0895, 94.2545
YIQ	196.8970, -60.1060, -12.0260

Conversions

Conversions Part 2

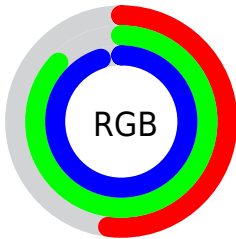
Format	Color
RYB	132, 181, 243
Decimal	8707571
CIELab	83.49, -21.08, -19.08
CIELCh	83, 28.429, 222.144
Yxy	63.0895, 0.2468, 0.3020
Android (android.graphics.Color)	4286897651 (0xFF84DDF3)
YUV	196.8970, 22.7288, -56.9147
Hunter-Lab	79.4289, -23.1531, -14.7564

Details

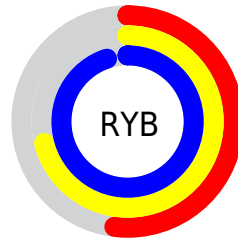
The XYZ color **51.5498, 63.0895, 94.2545** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **52.6838, 43.8330, 27.5154**, and the grayscale version is **52.9037, 55.6588, 60.6124**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **25.3535, 32.2768, 51.9075** is the 20% darker color. If you saturate the color by 10%, you get **46.9304, 58.8488, 93.6806**, and if you desaturate by 10%, it is **57.0946, 67.8642, 94.8850**.

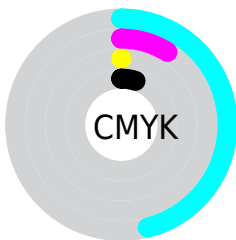
Distribution



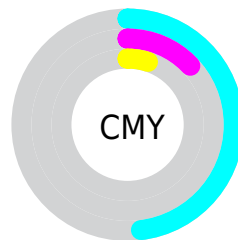
- Red (52%)
- Green (87%)
- Blue (95%)



- Red (52%)
- Yellow (71%)
- Blue (95%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5498, 63.0895, 94.2545 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 51.5498, 63.0895, 94.2545 by changing the saturation by 10% instead.

51.5498, 63.0895,
94.2545

51.5498, 63.0895,
94.2545

383.0487,
435.8942, 562.6988

36.8692, 45.9136,
70.9212

91.6451, 109.2986,
155.2210

25.2794, 32.1777,
51.7964

117.7905,
139.1007, 193.6912

16.4152, 21.4972,
36.4617

148.4882,
173.8802, 238.0442

9.9111, 13.4879,
24.4985

184.1036,
214.0216, 288.6984

5.4019, 7.7654,
15.4882

225.0019,
259.9093, 346.0725

2.5221, 3.9452,
9.0123

271.5487,

0.9064, 1.6430,

311.9278, 410.5849

4.6523

324.1091,
370.4613, 482.6541

■ 0.0000, 0.3863,
1.9896

■ 0.0000, 0.0000,
0.5489

■ 51.5498, 63.0895,
94.2545

■ 51.5498, 63.0895,
94.2545

■ 46.9304, 58.8488,
93.6806

■ 57.0946, 67.8642,
94.8850

■ 43.1677, 55.1022,
93.1557


■ 63.6154, 73.1952,
95.5703


■ 40.1931, 51.8150,
92.6780


■ 71.1663, 79.1122,
96.3144


■ 37.9240, 48.9443,
92.2435


■ 79.7953, 85.6406,
97.1197


 36.2585, 46.4371,
91.8473

 89.5477, 92.8039,
97.9884

 35.6577, 45.4309,
91.6848

 91.5721, 96.0396,
98.5062

 93.0870, 99.0693,
99.0112

 93.1779, 99.2511,
99.0415

Harmonies

Analogous

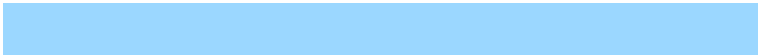
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0451, 63.0895, 76.1325



51.5498, 63.0895, 94.2545



56.3819, 63.0895, 106.6010

Triad

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



51.5498, 63.0895, 94.2545



72.0473, 63.0895, 79.7073



57.4906, 63.0895, 40.4215

Complementary

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



51.5498, 63.0895, 94.2545



52.6838, 43.8330, 27.5154

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.



63.6961, 63.0895, 41.0431



51.5498, 63.0895, 94.2545



72.3954, 63.0895, 61.7560

Square

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



51.5498, 63.0895, 94.2545



68.3281, 63.0895, 97.2570



69.2488, 63.0895, 48.2302



52.3132, 63.0895, 46.3542

Rectangle

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



51.5498, 63.0895, 94.2545



60.4120, 63.0895, 108.7888



69.2488, 63.0895, 48.2302



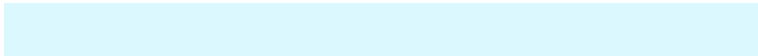
59.5195, 63.0895, 39.9038

Sweetspot

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



51.5518, 63.0919, 94.2560



80.8981, 89.4153, 107.6028



47.2640, 71.2865, 41.1267



16.8949, 18.8155, 22.9913



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.



51.5518, 63.0919, 94.2560



52.6125, 65.8982, 104.5544



39.5412, 39.0708, 90.2525



16.7014, 18.1671, 21.1689



19.6672, 25.1282, 50.3517



1.7979, 2.3473, 4.4485

Inverse Universe

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



58.2662, 40.7794, 73.2094



61.2357, 39.0219, 77.1258



63.6477, 65.7608, 31.1700



17.0646, 16.7087, 20.0868



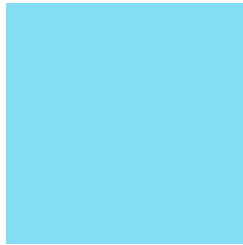
25.7316, 12.6361, 29.6248



2.2966, 1.1246, 2.7882

Previews

White Background



This preview shows how the XYZ color 51.5498, 63.0895, 94.2545 looks on a white background.

Color Contrast Check

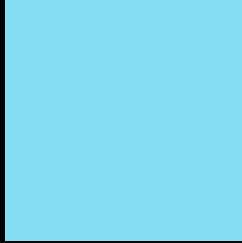
Large Text (above 18pt) WCAG AA × Fail

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 51.5498, 63.0895, 94.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

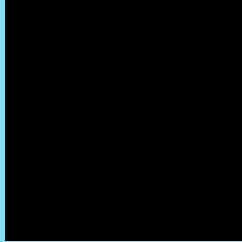
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5498, 63.0895, 94.2545

Background



This preview shows how black text looks on a background with the XYZ color 51.5498, 63.0895, 94.2545.

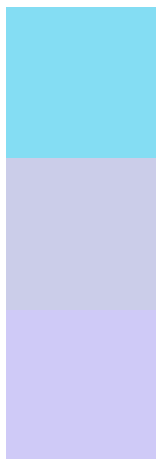


This preview shows how white text looks on a background with the XYZ color 51.5498, 63.0895,

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

51.5498, 63.0895, 94.2545

Protanopia

61.1679, 62.2423, 85.8809

Deuteranopia

63.6412, 62.2219, 96.6515



Tritanopia

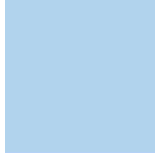
51.0613, 63.2998, 91.1882

Trichromacy



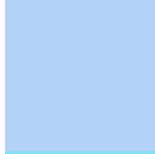
Original Color

51.5498, 63.0895, 94.2545



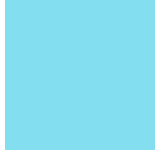
Protanomaly

56.7118, 62.0501, 89.1086



Deuteranomaly

58.2574, 61.9580, 96.0774



Tritanomaly

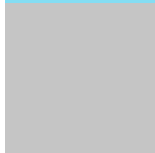
51.2095, 63.3591, 91.9686

Monochromacy



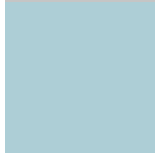
Original Color

51.5498, 63.0895, 94.2545



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.4425, 57.8819, 72.0793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5498, 63.0895, 94.2545 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(132, 221, 243)` looks like.

```
.text, #text, p{  
    color:rgb(132, 221, 243)  
}
```

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(132, 221, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 221, 243) }
```

Border

The CSS property to change the border of an element to XYZ 51.5498, 63.0895, 94.2545 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(132, 221, 243) }
```


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

```
.border{ border-color:rgb(132, 221, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 221, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 221, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 221, 243);  
box-shadow:4px 4px 4px 4px rgb(132, 221,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5498, 63.0895, 94.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 221, 243) }
```

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

```
.background{ background-color: rgb(132,  
221, 243) }
```

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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