

Converting Colors

XYZ(51.7712, 63.4150, 99.8720)

Have a look what the booklet for
XYZ(51.7712, 63.4150, 99.8720)
contains.

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Color

**XYZ(51.8340, 63.5047,
99.9682)**

Conversions

Conversions Part 1

Format	Color
Hex	7DDEFA
RGB	125, 222, 250
RGB Percent	49%, 87%, 98%
CMY	0.5098, 0.1294, 0.0196
CMYK	0.50, 0.11, 0.00, 0.02
HSL	193°, 93%, 74%
HSV	193°, 50%, 98%
XYZ	51.8340, 63.5047, 99.9682
YIQ	196.1890, -66.8000, -11.8560

Conversions

Conversions Part 2

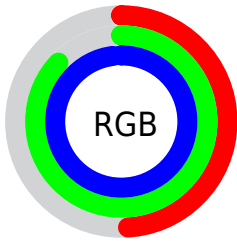
Format	Color
RYB	125, 180, 250
Decimal	8249082
CIELab	83.71, -21.27, -22.48
CIElCh	84, 30.945, 226.581
Yxy	63.5047, 0.2407, 0.2949
Android (android.graphics.Color)	4286439162 (0xFF7DDEFA)
YUV	196.1890, 26.5288, -62.4328
Hunter-Lab	79.6898, -23.3525, -18.5944

Details

The XYZ color **51.8340, 63.5047, 99.9682** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.5186, 44.5885, 25.1367**, and the grayscale version is **52.4590, 55.1910, 60.1030**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **25.4310, 32.5118, 55.3871** is the 20% darker color. If you saturate the color by 10%, you get **47.1711, 58.9308, 99.3323**, and if you desaturate by 10%, it is **57.4686, 68.6556, 100.6666**.

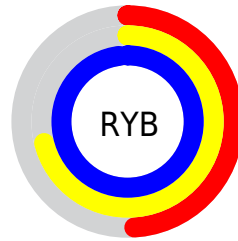
Distribution



Red (49%)

Green (87%)

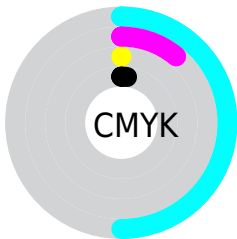
Blue (98%)



Red (49%)

Yellow (71%)

Blue (98%)

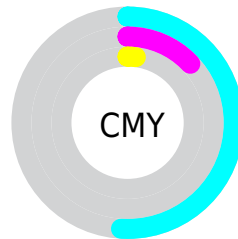


Cyan (50%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (51%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8340, 63.5047, 99.9682 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 51.8340, 63.5047, 99.9682 by changing the saturation by 10% instead.

51.8340, 63.5047,
99.9682

51.8340, 63.5047,
99.9682

384.1299,
437.3988, 581.3365

37.0965, 46.2496,
75.6572

92.0621, 109.8973,
163.1650

25.4562, 32.4429,
55.6465

118.2833,
139.8036, 202.8879

16.5478, 21.7000,
39.5175

149.0633,
174.6959, 248.5852

10.0059, 13.6366,
26.8516

184.7672,
214.9583, 300.6754

5.4652, 7.8684,
17.2304

225.7604,
260.9755, 359.5771

2.5602, 4.0108,
10.2352

272.4084,

0.9257, 1.6796,

313.1317, 425.7089

5.4475

325.0765,
371.8113, 499.4891

■ 0.0000, 0.4104,
2.4489

■ 0.0000, 0.0000,
0.8129

■ 51.8340, 63.5047,
99.9682

■ 51.8340, 63.5047,
99.9682

■ 47.1711, 58.9308,
99.3323

■ 57.4686, 68.6556,
100.6666

■ 43.4032, 54.8896,
98.7508

■ 64.1324, 74.4098,
101.4260

■ 40.4514, 51.3410,
98.2214

■ 71.8853, 80.8000,
102.2509

■ 38.2194, 48.2347,
97.7395

■ 80.7806, 87.8547,
103.1437

■ 36.5485, 45.4880,
97.2974

■ 90.8683, 95.6000,
104.1070

■ 36.5482, 45.4876,
97.2973

■ 94.2555, 99.6822,
104.7165

Harmonies

Analogous

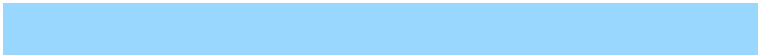
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7059, 63.5047, 80.3581



51.8340, 63.5047, 99.9682



57.3838, 63.5047, 112.1971

Triad

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



51.8340, 63.5047, 99.9682



73.9504, 63.5047, 78.1786



56.7146, 63.5047, 39.1774

Complementary

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



51.8340, 63.5047, 99.9682



54.5186, 44.5885, 25.1367

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.



63.4360, 63.5047, 38.8135



51.8340, 63.5047, 99.9682



73.7374, 63.5047, 59.0282

Square

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



51.8340, 63.5047, 99.9682



70.3334, 63.5047, 98.1172



69.7716, 63.5047, 45.4156



51.3758, 63.5047, 46.5252

Rectangle

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



51.8340, 63.5047, 99.9682



61.8659, 63.5047, 113.2685



69.7716, 63.5047, 45.4156



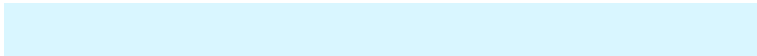
58.8774, 63.5047, 38.2895

Sweetspot

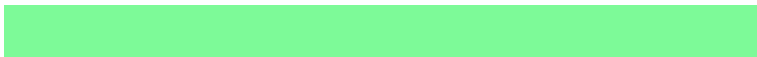
The Sweet Spot groups the original color and five complimentary colors.



51.8360, 63.5071, 99.9697



79.6785, 88.1084, 107.4149



48.3189, 75.0023, 41.6737



16.6402, 18.5290, 22.9494



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.



51.8360, 63.5071, 99.9697



49.3146, 61.6151, 103.9015



38.3576, 36.5503, 95.4769



17.4167, 18.9103, 22.1174



19.4986, 24.3528, 51.6464



1.8840, 2.4117, 4.8094

Inverse Universe

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



59.9444, 40.2669, 73.7227



59.0065, 35.9688, 72.0507



67.3220, 70.1953, 29.4045



17.8169, 17.4541, 20.8915



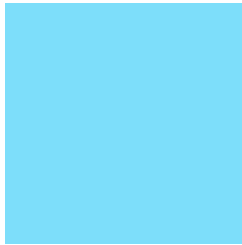
26.1340, 12.8693, 28.4778



2.4599, 1.2077, 2.8451

Previews

White Background



This preview shows how the XYZ color 51.8340, 63.5047, 99.9682 looks on a white background.

Color Contrast Check

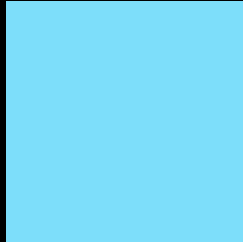
Large Text (above 18pt) WCAG AA × Fail

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 51.8340, 63.5047, 99.9682 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

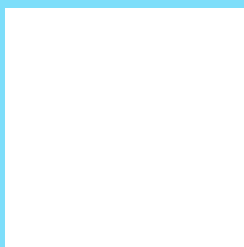
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8340, 63.5047, 99.9682

Background



This preview shows how black text looks on a background with the XYZ color 51.8340, 63.5047, 99.9682.

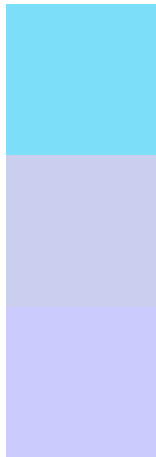


This preview shows how white text looks on a background with the XYZ color 51.8340, 63.5047,

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

51.8340, 63.5047, 99.9682

Protanopia

62.0084, 62.9312, 90.5401

Deuteranopia

64.1472, 62.7050, 102.4883



Tritanopia

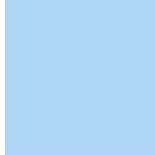
50.2909, 63.2638, 92.7796

Trichromacy



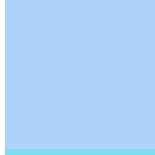
Original Color

51.8340, 63.5047, 99.9682



Protanomaly

57.1767, 62.5567, 93.8551



Deuteranomaly

58.4554, 62.2990, 101.8725



Tritanomaly

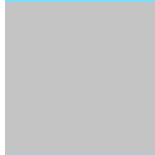
50.8852, 63.5180, 95.1662

Monochromacy



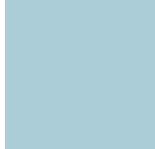
Original Color

51.8340, 63.5047, 99.9682



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.8036, 57.1666, 73.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8340, 63.5047, 99.9682 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(125, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(125, 222, 250)  
}
```

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(125, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 222, 250) }
```

Border

The CSS property to change the border of an element to XYZ 51.8340, 63.5047, 99.9682 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(125, 222, 250) }
```


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

```
.border{ border-color:rgb(125, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 222, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 222, 250);  
box-shadow:4px 4px 4px 4px rgb(125, 222,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8340, 63.5047, 99.9682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 222, 250) }
```

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

```
.background{ background-color: rgb(125,  
222, 250) }
```

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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