

Converting Colors

XYZ(50.2877, 62.0166,
100.3753)

Have a look what the booklet for
XYZ(50.2877, 62.0166, 100.3753)
contains.

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Color

**XYZ(50.2082, 61.8644,
100.5616)**

Conversions

Conversions Part 1

Format	Color
Hex	74DCFB
RGB	116, 220, 251
RGB Percent	45%, 86%, 98%
CMY	0.5451, 0.1372, 0.0157
CMYK	0.54, 0.12, 0.00, 0.02
HSL	194°, 94%, 72%
HSV	194°, 54%, 98%
XYZ	50.2082, 61.8644, 100.5616
YIQ	192.4380, -71.9350, -12.4070

Conversions

Conversions Part 2

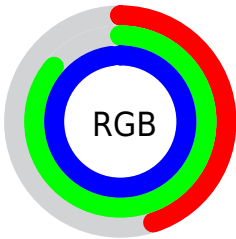
Format	Color
R _Y B	116, 175, 251
Decimal	7658747
CIE Lab	82.84, -21.85, -24.35
CIE LCh	83, 32.721, 228.097
Yxy	61.8644, 0.2361, 0.2909
Android (android.graphics.Color)	4285848827 (0xFF74DCFB)
YUV	192.4380, 28.8711, -67.0361
Hunter-Lab	78.6539, -23.7001, -20.7464

Details

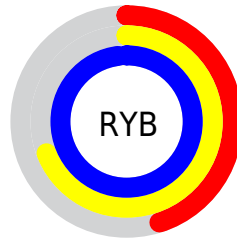
The XYZ color **50.2082, 61.8644, 100.5616** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.3713, 42.6393, 21.9421**, and the grayscale version is **50.2273, 52.8430, 57.5460**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **24.4594, 31.4583, 55.8218** is the 20% darker color. If you saturate the color by 10%, you get **45.8252, 57.3991, 99.9319**, and if you desaturate by 10%, it is **55.5484, 66.9032, 101.2539**.

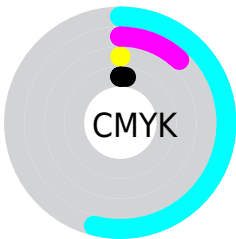
Distribution



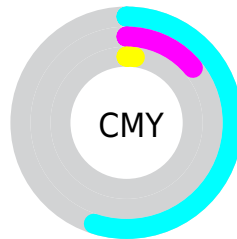
- Red (45%)
- Green (86%)
- Blue (98%)



- Red (45%)
- Yellow (69%)
- Blue (98%)



- Cyan (54%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (55%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2082, 61.8644, 100.5616 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 50.2082, 61.8644, 100.5616 by changing the saturation by 10% instead.

50.2082, 61.8644,
100.5616

50.2082, 61.8644,
100.5616

377.9181,
431.4363, 583.2538

35.7973, 44.9231,
76.1501

89.6733, 107.5295,
163.9873

24.4471, 31.3969,
56.0482

115.4582,
137.0222, 203.8387

15.7921, 20.9013,
39.8373

145.7651,
171.4674, 249.6738

9.4671, 13.0518,
27.0989

180.9595,
211.2497, 301.9111

5.1066, 7.4643,
17.4144

221.4066,
256.7533, 360.9692

2.3454, 3.7541,
10.3653

267.4718,

0.8177, 1.5370,

308.3626, 427.2667

5.5331

319.5206,
366.4622, 501.2220

■ 0.0000, 0.3145,
2.4992

■ 0.0000, 0.0000,
0.8397

■ 50.2082, 61.8644,
100.5616

■ 50.2082, 61.8644,
100.5616

■ 45.8252, 57.3991,
99.9319

■ 55.5484, 66.9032,
101.2539

■ 42.3187, 53.4610,
99.3565

■ 61.9066, 72.5437,
102.0075

■ 39.6037, 50.0068,
98.8329

■ 69.3453, 78.8201,
102.8269

■ 37.5745, 46.9812,
98.3559

■ 77.9199, 85.7618,
103.7148

■ 36.5637, 45.2669,
98.0782

■ 87.6822, 93.3961,
104.6739

■ 94.2805, 99.4805,
105.5005

■ 94.4128, 99.7451,
105.5446

Harmonies

Analogous

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



46.8397, 61.8644, 80.1456



50.2082, 61.8644, 100.5616



56.0500, 61.8644, 112.9056

Triad

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



50.2082, 61.8644, 100.5616



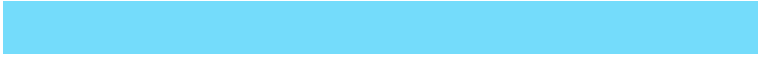
73.0781, 61.8644, 75.6835



54.6914, 61.8644, 36.8005

Complementary

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



50.2082, 61.8644, 100.5616



53.3713, 42.6393, 21.9421

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.



61.6390, 61.8644, 36.0800



50.2082, 61.8644, 100.5616



72.6410, 61.8644, 56.0118

Square

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



50.2082, 61.8644, 100.5616



69.4711, 61.8644, 96.7383



68.3205, 61.8644, 42.4118



49.2822, 61.8644, 44.6273

Rectangle

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



50.2082, 61.8644, 100.5616



60.7293, 61.8644, 113.5381



68.3205, 61.8644, 42.4118



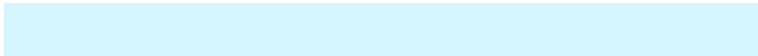
56.9125, 61.8644, 35.7857

Sweetspot

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



50.2102, 61.8667, 100.5631



78.6837, 87.2338, 107.2985



46.8314, 74.7609, 38.8533



16.4404, 18.3489, 22.9251



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.



50.2102, 61.8667, 100.5631



46.9912, 58.9510, 103.5097



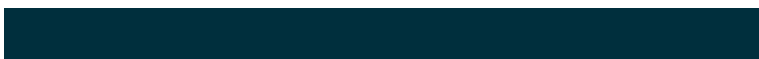
36.2138, 33.8740, 95.8976



17.4081, 18.8930, 22.1145



19.3348, 24.0252, 51.5918



1.8701, 2.3839, 4.8047

Inverse Universe

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



58.9490, 38.1692, 71.9729



57.3498, 33.4531, 69.0391



66.6690, 69.2348, 26.3747



17.8125, 17.4524, 20.8685



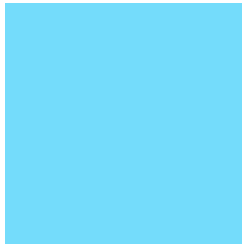
26.0513, 12.8363, 28.0425



2.4529, 1.2049, 2.8082

Previews

White Background



This preview shows how the XYZ color 50.2082, 61.8644, 100.5616 looks on a white background.

Color Contrast Check

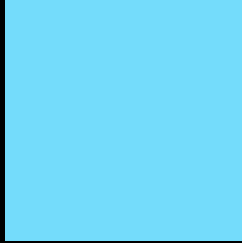
Large Text (above 18pt) WCAG AA × Fail

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 50.2082, 61.8644, 100.5616 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 50.2082, 61.8644, 100.5616

Background



This preview shows how black text looks on a background with the XYZ color 50.2082, 61.8644, 100.5616.

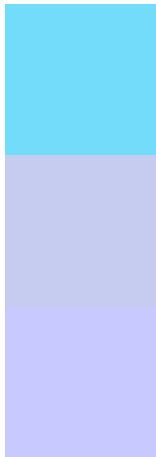


This preview shows how white text looks on a background with the XYZ color 50.2082, 61.8644,

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

50.2082, 61.8644, 100.5616

Protanopia

60.3728, 61.0089, 91.0320

Deuteranopia

62.4898, 61.1354, 103.1145



Tritanopia

48.5315, 61.9786, 91.8433

Trichromacy



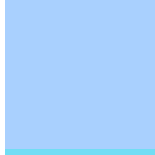
Original Color

50.2082, 61.8644, 100.5616



Protanomaly

55.2780, 60.4574, 94.3439



Deuteranomaly

56.8075, 60.7025, 102.4886



Tritanomaly

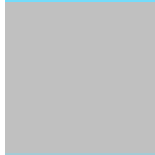
48.9956, 61.7553, 94.9256

Monochromacy



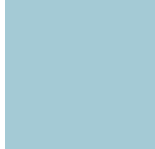
Original Color

50.2082, 61.8644, 100.5616



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.4406, 54.9377, 71.0017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2082, 61.8644, 100.5616 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(116, 220, 251)` looks like.

```
.text, #text, p{  
    color:rgb(116, 220, 251)  
}
```

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(116, 220, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 220, 251) }
```

Border

The CSS property to change the border of an element to XYZ 50.2082, 61.8644, 100.5616 is called "border". The border property can be set on classes, ids or directly on the HTML element.

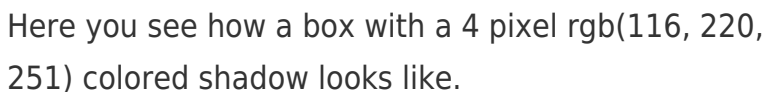
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 220, 251) }
```


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

```
.border{ border-color:rgb(116, 220, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 220, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 220, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 220, 251); box-shadow:4px 4px 4px 4px rgb(116, 220, 251) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2082, 61.8644, 100.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 220, 251) }
```

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

```
.background{ background-color: rgb(116,  
220, 251) }
```

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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