

Converting Colors

XYZ(45.5092, 58.7945, 98.5749)

Have a look what the booklet for
XYZ(45.5092, 58.7945, 98.5749)
contains.

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Color

**XYZ(45.4786, 58.6878,
98.5534)**

Conversions

Conversions Part 1

Format	Color
Hex	50DAF9
RGB	80, 218, 249
RGB Percent	31%, 85%, 98%
CMY	0.6862, 0.1451, 0.0235
CMYK	0.68, 0.12, 0.00, 0.02
HSL	191°, 93%, 65%
HSV	191°, 68%, 98%
XYZ	45.4786, 58.6878, 98.5534
YIQ	180.2720, -92.1990, -19.6150

Conversions

Conversions Part 2

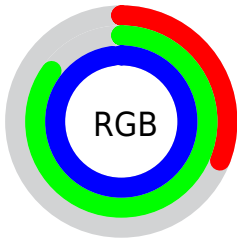
Format	Color
R_{YB}	80, 156, 249
Decimal	5298937
CIE _{Lab}	81.12, -27.54, -26.02
CIE _{LCh}	81, 37.889, 223.366
Yxy	58.6878, 0.2243, 0.2895
Android (android.graphics.Color)	4283489017 (0xFF50DAF9)
YUV	180.2720, 33.8829, -87.9385
Hunter-Lab	76.6080, -28.0968, -22.6489

Details

The XYZ color **45.4786, 58.6878, 98.5534** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **46.2013, 32.0904, 11.3506**, and the grayscale version is **43.3901, 45.6498, 49.7126**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **22.6116, 30.0002, 54.4680** is the 20% darker color. If you saturate the color by 10%, you get **42.5847, 55.4629, 98.0846**, and if you desaturate by 10%, it is **49.1875, 62.3837, 99.0724**.

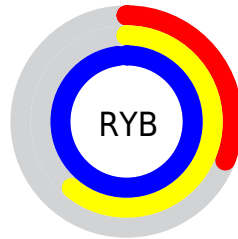
Distribution



Red (31%)

Green (85%)

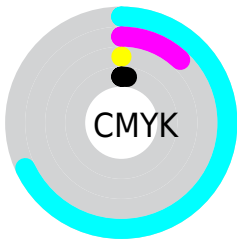
Blue (98%)



Red (31%)

Yellow (61%)

Blue (98%)

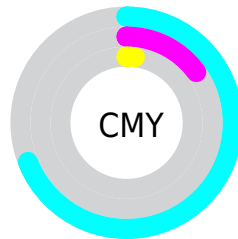


Cyan (68%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (69%)


Magenta (15%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4786, 58.6878, 98.5534 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 45.4786, 58.6878, 98.5534 by changing the saturation by 10% instead.


 45.4786, 58.6878,
98.5534


 45.4786, 58.6878,
98.5534

359.4596,
419.7440, 576.7517

 32.0375, 42.3619,
74.4828


 82.6708, 102.9238,
161.2023


 21.5458, 29.3847,
54.6901


 107.1525,
131.6026, 200.6177

 13.6383, 19.3721,
38.7568

 136.0452,
165.1678, 245.9852

 7.9495, 11.9394,
26.2642

 169.7141,
204.0039, 297.7232

 4.1142, 6.7024,
16.7938

208.5247,
248.4951, 356.2503

 1.7669, 3.2767,
9.9272

252.8422,

 0.4976, 1.2779,

299.0259, 421.9851

5.2458

303.0321,
355.9808, 495.3460

■ 0.0000, 0.1240,
2.3309

■ 0.0000, 0.0000,
0.7485

■ 45.4786, 58.6878,
98.5534

■ 45.4786, 58.6878,
98.5534

■ 42.5847, 55.4629,
98.0846

■ 49.1875, 62.3837,
99.0724

■ 40.4088, 52.6550,
97.6573

■ 53.7830, 66.5843,
99.6410


■ 38.8299, 50.2026,
97.2671


■ 59.3352, 71.3273,
100.2639


■ 38.5321, 49.7057,
97.1869


■ 65.9054, 76.6447,
100.9439

 73.5497, 82.5657,
101.6839

 82.3199, 89.1175,
102.4863

 92.2646, 96.3255,
103.3534

 93.9535, 99.3284,
103.8440

 94.0991, 99.6196,
103.8926

Harmonies

Analogous

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



42.3047, 58.6878, 74.4619



45.4786, 58.6878, 98.5534



51.5566, 58.6878, 115.1249

Triad

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



45.4786, 58.6878, 98.5534



71.5881, 58.6878, 77.1401



52.3525, 58.6878, 30.3075

Complementary

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



45.4786, 58.6878, 98.5534



46.2013, 32.0904, 11.3506

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.



60.2301, 58.6878, 30.6987



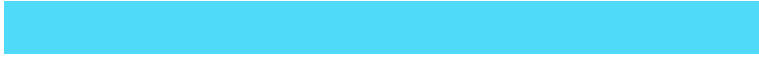
45.4786, 58.6878, 98.5534



71.8525, 58.6878, 54.3892

Square

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



45.4786, 58.6878, 98.5534



66.8408, 58.6878, 100.9076



67.5324, 58.6878, 38.5041



46.0139, 58.6878, 37.2693

Rectangle

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



45.4786, 58.6878, 98.5534



56.6749, 58.6878, 117.7212



67.5324, 58.6878, 38.5041



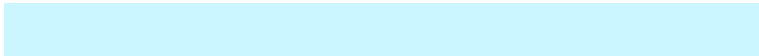
54.8965, 58.6878, 29.6434

Sweetspot

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



45.4805, 58.6899, 98.5548



75.7997, 85.7531, 107.1647



40.0542, 70.6057, 26.5541



15.7282, 17.9726, 22.8900



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.



45.4805, 58.6899, 98.5548



44.1319, 57.5428, 103.3886



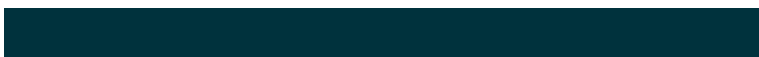
28.8679, 25.4648, 93.0173



17.4792, 19.0353, 22.1382



20.7226, 26.8007, 52.0544



1.9872, 2.6181, 4.8438

Inverse Universe

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



54.5922, 30.9411, 69.4266



54.8544, 28.4265, 68.3176



60.1404, 59.9685, 15.9970



17.8484, 17.4667, 21.0575



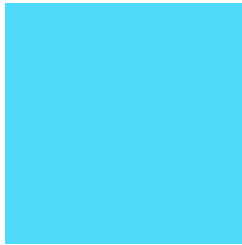
26.7518, 13.1165, 31.7312



2.5120, 1.2285, 3.1194

Previews

White Background



This preview shows how the XYZ color 45.4786, 58.6878, 98.5534 looks on a white background.

Color Contrast Check

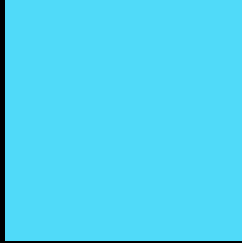
Large Text (above 18pt) WCAG AA × Fail

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 45.4786, 58.6878, 98.5534 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 45.4786, 58.6878, 98.5534

Background



This preview shows how black text looks on a background with the XYZ color 45.4786, 58.6878, 98.5534.

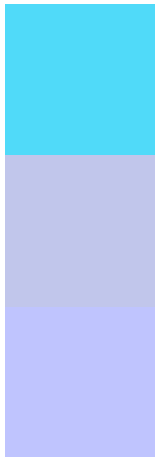


This preview shows how white text looks on a background with the XYZ color 45.4786, 58.6878,

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

45.4786, 58.6878, 98.5534

Protanopia

57.1818, 57.7238, 86.7253

Deuteranopia

59.1152, 57.7120, 101.7898



Tritanopia

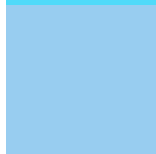
43.7735, 58.7759, 89.9267

Trichromacy



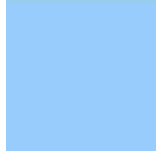
Original Color

45.4786, 58.6878, 98.5534



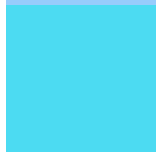
Protanomaly

50.5084, 56.6293, 90.7066



Deuteranomaly

51.9261, 56.7933, 100.3209



Tritanomaly

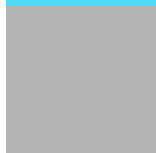
44.3390, 58.6103, 92.9804

Monochromacy



Original Color

45.4786, 58.6878, 98.5534



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.8128, 48.9206, 64.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4786, 58.6878, 98.5534 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(80, 218, 249)` looks like.

```
.text, #text, p{  
    color:rgb(80, 218, 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(80, 218, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 218, 249) }
```

Border

The CSS property to change the border of an element to XYZ 45.4786, 58.6878, 98.5534 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(80, 218, 249) }
```


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

```
.border{ border-color:rgb(80, 218, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 218, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 218, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 218, 249);  
box-shadow:4px 4px 4px 4px rgb(80, 218,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4786, 58.6878, 98.5534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 218, 249) }
```

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

```
.background{ background-color: rgb(80, 218,  
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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