

Converting Colors

XYZ(43.0475, 49.2880, 99.8156)

Have a look what the booklet for
XYZ(43.0475, 49.2880, 99.8156)
contains.

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Color

**XYZ(43.1785, 49.5148,
100.2101)**

Conversions

Conversions Part 1

Format	Color
Hex	68C4FD
RGB	104, 196, 253
RGB Percent	41%, 77%, 99%
CMY	0.5921, 0.2314, 0.0078
CMYK	0.59, 0.23, 0.00, 0.01
HSL	203°, 97%, 70%
HSV	203°, 59%, 99%
XYZ	43.1785, 49.5148, 100.2101
YIQ	174.9900, -73.1290, -1.7770

Conversions

Conversions Part 2

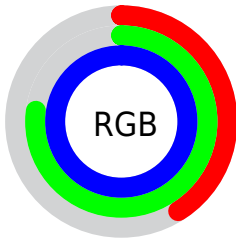
Format	Color
RYB	104, 161, 253
Decimal	6866173
CIELab	75.77, -11.20, -36.32
CIELCh	76, 38.004, 252.868
Yxy	49.5148, 0.2238, 0.2567
Android (android.graphics.Color)	4285056253 (0xFF68C4FD)
YUV	174.9900, 38.4589, -62.2582
Hunter-Lab	70.3668, -13.6105, -35.1788

Details

The XYZ color **43.1785, 49.5148, 100.2101** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.7535, 47.3744, 19.3044**, and the grayscale version is **40.5786, 42.6919, 46.4915**.

A 20% lighter version of the original color is **68.6923, 85.4699, 107.4846**, and **20.0888, 23.5645, 55.7142** is the 20% darker color. If you saturate the color by 10%, you get **38.5573, 43.9962, 99.3894**, and if you desaturate by 10%, it is **48.8246, 55.7726, 101.1214**.

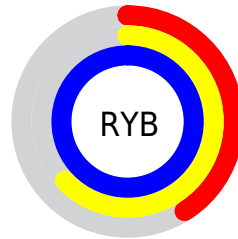
Distribution



Red (41%)

Green (77%)

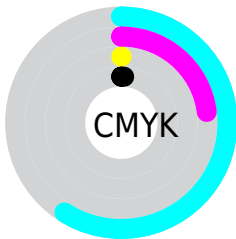
Blue (99%)



Red (41%)

Yellow (63%)

Blue (99%)

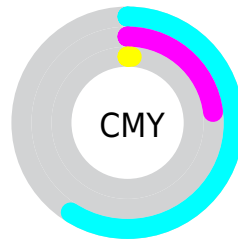


Cyan (59%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (59%)

Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1785, 49.5148, 100.2101 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 43.1785, 49.5148, 100.2101 by changing the saturation by 10% instead.

■ 43.1785, 49.5148,
100.2101

■ 43.1785, 49.5148,
100.2101

350.2544,
384.7655, 582.1185

■ 30.2203, 35.0280,
75.8582

■ 79.2342, 89.4556,
163.5003

■ 20.1548, 23.6845,
55.8102

■ 103.0624,
115.6783, 203.2756

■ 12.6165, 15.0997,
39.6478

■ 131.2447,
146.5819, 249.0291

■ 7.2402, 8.8894,
26.9524

164.1464,
182.5507, 301.1793

■ 3.6604, 4.6691,
17.3053

202.1328,
223.9690, 360.1448

■ 1.5119, 2.0545,
10.2882

245.5694,

■ 0.3339, 0.6388,

271.2213, 426.3442

5.4823

294.8215,
324.6920, 500.1959

■ 0.0000, 0.0000,
2.4693

■ 0.0000, 0.0000,
0.8238

■ 43.1785, 49.5148,
100.2101

■ 43.1785, 49.5148,
100.2101

■ 38.5573, 43.9962,
99.3894

■ 48.8246, 55.7726,
101.1214

■ 34.8717, 39.1643,
98.6510

■ 55.5645, 62.8063,
102.1238

■ 32.0243, 34.9656,
97.9907

■ 63.4666, 70.6557,
103.2224

■ 29.8707, 31.3215,
97.4008

■ 72.5917, 79.3558,
104.4207

■ 29.6542, 30.9408,
97.3387

■ 82.9964, 88.9393,
105.7221

■ 94.4355, 99.2832,
107.1158

■ 94.7298, 99.8719,
107.2139

Harmonies

Analogous

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



37.8041, 49.5148, 84.8952



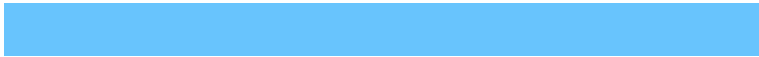
43.1785, 49.5148, 100.2101



50.1482, 49.5148, 101.3455

Triad

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



43.1785, 49.5148, 100.2101



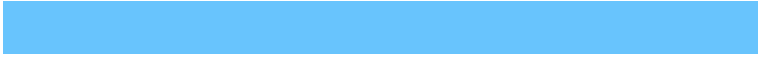
61.5635, 49.5148, 45.7164



38.4243, 49.5148, 30.1588

Complementary

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



43.1785, 49.5148, 100.2101



55.7535, 47.3744, 19.3044

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.



44.1057, 49.5148, 24.2168



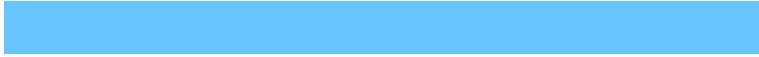
43.1785, 49.5148, 100.2101



57.7206, 49.5148, 31.5680

Square

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



43.1785, 49.5148, 100.2101



61.2515, 49.5148, 66.1858



51.1723, 49.5148, 24.6583



35.2534, 49.5148, 43.2600

Rectangle

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



43.1785, 49.5148, 100.2101



54.8143, 49.5148, 93.5678



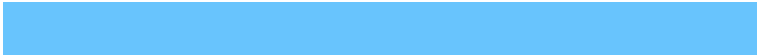
51.1723, 49.5148, 24.6583



40.0780, 49.5148, 27.4239

Sweetspot

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



43.1802, 49.5166, 100.2113



74.7847, 81.6138, 106.4192



47.0622, 75.6855, 44.7651



15.3928, 16.8923, 22.6992



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.



43.1802, 49.5166, 100.2113



38.3740, 43.6815, 101.0166



30.6314, 24.4191, 96.0284



17.9370, 19.2457, 23.0194



15.9201, 16.7498, 51.8285



1.6558, 1.8423, 5.0816

Inverse Universe

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



55.4237, 34.7707, 56.0165



52.5206, 29.6849, 49.2702



72.1848, 80.2370, 24.7815



18.4809, 18.1757, 21.1494



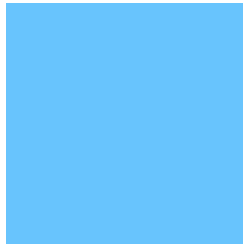
24.8239, 12.4189, 18.2551



2.4704, 1.2305, 2.0584

Previews

White Background



This preview shows how the XYZ color 43.1785, 49.5148, 100.2101 looks on a white background.

Color Contrast Check

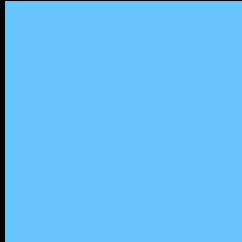
Large Text (above 18pt) WCAG AA × Fail

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 43.1785, 49.5148, 100.2101 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

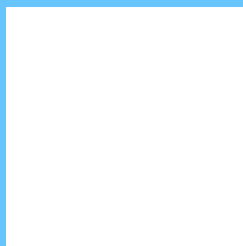
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.1785, 49.5148, 100.2101

Background



This preview shows how black text looks on a background with the XYZ color 43.1785, 49.5148, 100.2101.

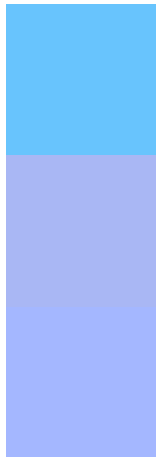


This preview shows how white text looks on a background with the XYZ color 43.1785, 49.5148,

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

43.1785, 49.5148, 100.2101

Protanopia

49.6248, 48.8336, 92.3983

Deuteranopia

50.2933, 48.9795, 101.4110



Tritanopia

38.0265, 49.4794, 74.5641

Trichromacy



Original Color

43.1785, 49.5148, 100.2101

Protanomaly

46.4488, 48.7016, 94.9479

Deuteranomaly

47.0279, 48.8730, 100.7207

Tritanomaly

39.6942, 49.4578, 83.0555

Monochromacy



Original Color

43.1785, 49.5148, 100.2101

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.1074, 44.5683, 62.9886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1785, 49.5148, 100.2101 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(104, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(104, 196, 253)  
}
```

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(104, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 196, 253) }
```

Border

The CSS property to change the border of an element to XYZ 43.1785, 49.5148, 100.2101 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(104, 196, 253) }
```


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

```
.border{ border-color:rgb(104, 196, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(104, 196,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1785, 49.5148, 100.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 196, 253) }
```

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

```
.background{ background-color: rgb(104,  
196, 253) }
```

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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