

Converting Colors

XYZ(43.8295, 46.4329,
128.1796)

Have a look what the booklet for
XYZ(43.8295, 46.4329, 128.1796)
contains.

XYZ(38.5680, 44.1771, 101.1020) 3

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Color

**XYZ(38.5680, 44.1771,
101.1020)**

Conversions

Conversions Part 1	
Format	Color
Hex	49BBFF
RGB	73, 187, 255
RGB Percent	29%, 73%, 100%
CMY	0.7137, 0.2667, 0.0000
CMYK	0.71, 0.27, 0.00, 0.00
HSL	202°, 100%, 64%
HSV	202°, 71%, 100%
XYZ	38.5680, 44.1771, 101.1020
YIQ	160.6660, -89.7720, -3.0200

Conversions

Conversions Part 2

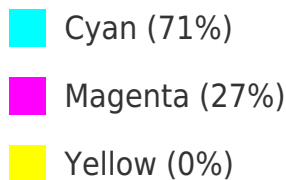
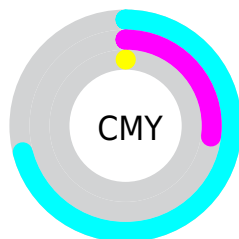
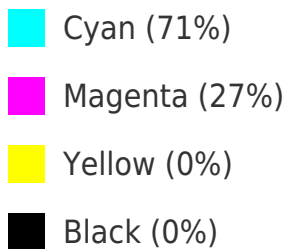
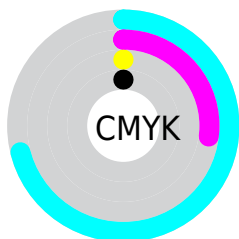
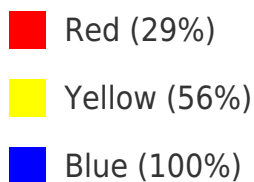
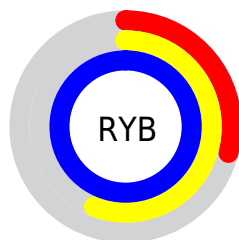
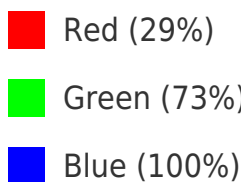
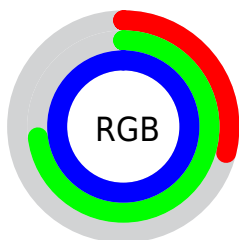
Format	Color
RYB	73, 143, 255
Decimal	4832255
CIELab	72.35, -10.64, -42.80
CIELCh	72, 44.098, 256.043
Yxy	44.1771, 0.2098, 0.2403
Android (android.graphics.Color)	4283022335 (0xFF49BBFF)
YUV	160.6660, 46.5067, -76.8831
Hunter-Lab	66.4659, -12.7374, -43.6606

Details

The XYZ color **38.5680, 44.1771, 101.1020** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **51.9695, 40.7941, 11.4405**, and the grayscale version is **33.5447, 35.2917, 38.4326**.

A 20% lighter version of the original color is **61.0851, 76.9839, 106.2476**, and **18.7181, 21.1274, 56.5175** is the 20% darker color. If you saturate the color by 10%, you get **35.0621, 39.4686, 100.3780**, and if you desaturate by 10%, it is **43.0022, 49.5647, 101.9082**.

Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5680, 44.1771, 101.1020 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 38.5680, 44.1771, 101.1020 by changing the saturation by 10% instead.


 38.5680, 44.1771,
101.1020


 38.5680, 44.1771,
101.1020


331.2892,
363.4305, 584.9969


 26.6030, 30.8098,
76.5992


 72.2762, 81.4842,
164.7358

 17.4104, 20.4540,
56.4144


 94.7502, 106.1927,
204.7039

 10.6246, 12.7255,
40.1290

 121.4578,
135.4504, 250.6642

 5.8804, 7.2398,
27.3246

 152.7645,
169.6417, 303.0351

 2.8125, 3.6125,
17.5826

189.0357,
209.1509, 362.2353

 1.0554, 1.4593,
10.4844

230.6366,

 0.0000, 0.2598,

254.3626, 428.6833

5.6115

277.9327,
305.6609, 502.7977

0.0000, 0.0000,
2.5454

0.0000, 0.0000,
0.8641

38.5680, 44.1771,
101.1020

38.5680, 44.1771,
101.1020

35.0621, 39.4686,
100.3780

43.0022, 49.5647,
101.9082

32.3739, 35.3762,
99.7298

48.4493, 55.6765,
102.8008

30.5726, 32.2652,
99.2242

54.9881, 62.5576,
103.7844

62.6880, 70.2473,
104.8628

■ 71.6124, 78.7816,
106.0397

■ 81.8197, 88.1941,
107.3185

■ 93.3644, 98.5161,
108.7024

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



32.6558, 44.1771, 84.8772



38.5680, 44.1771, 101.1020



46.1506, 44.1771, 100.4576

Triad

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



38.5680, 44.1771, 101.1020



57.6261, 44.1771, 37.4552



32.3393, 44.1771, 24.5403

Complementary

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



38.5680, 44.1771, 101.1020



51.9695, 40.7941, 11.4405

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.



38.0854, 44.1771, 18.0866



38.5680, 44.1771, 101.1020



52.9499, 44.1771, 23.8601

Square

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



38.5680, 44.1771, 101.1020



57.7960, 44.1771, 58.8977



45.6066, 44.1771, 17.8823



29.3639, 44.1771, 38.7122

Rectangle

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



38.5680, 44.1771, 101.1020



51.1700, 44.1771, 90.4051



45.6066, 44.1771, 17.8823



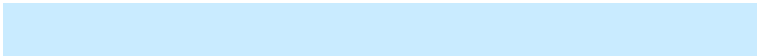
33.9776, 44.1771, 21.6122

Sweetspot

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



38.5694, 44.1786, 101.1022



71.9645, 79.1118, 106.0849



43.2232, 74.8228, 36.8753



14.8462, 16.4084, 22.6346



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.



38.5694, 44.1786, 101.1022



33.7223, 37.5001, 100.0686



25.0990, 17.2378, 96.6121



17.9511, 19.2738, 23.0240



16.1229, 17.1554, 51.8961



1.6748, 1.8802, 5.0879

Inverse Universe

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



52.5933, 29.6147, 49.9592



49.4105, 25.5231, 41.8881



70.9448, 78.7448, 17.7657



18.4880, 18.1785, 21.1868



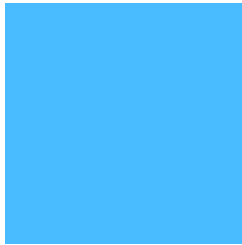
24.9263, 12.4598, 18.7942



2.4799, 1.2344, 2.1088

Previews

White Background



This preview shows how the XYZ color 38.5680, 44.1771, 101.1020 looks on a white background.

Color Contrast Check

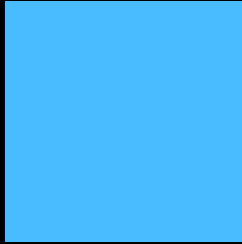
Large Text (above 18pt) WCAG AA × Fail

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 38.5680, 44.1771, 101.1020 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

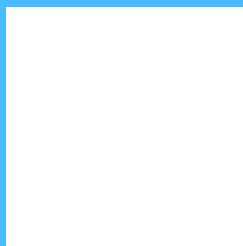
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5680, 44.1771, 101.1020

Background



This preview shows how black text looks on a background with the XYZ color 38.5680, 44.1771, 101.1020.

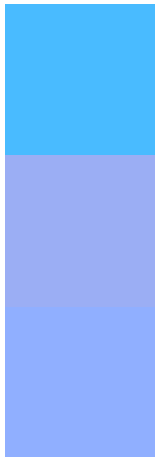


This preview shows how white text looks on a background with the XYZ color 38.5680, 44.1771,

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

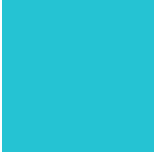
38.5680, 44.1771, 101.1020

Protanopia

44.9828, 43.7723, 91.6660

Deuteranopia

44.8816, 43.8092, 100.6983






Tritanopia

32.0359, 44.1267, 68.4568

Trichromacy

	Original Color 38.5680, 44.1771, 101.1020
	Protanomaly 41.5208, 43.3775, 94.9912
	Deuteranomaly 41.6413, 43.3118, 100.7730
	Tritanomaly 34.0302, 43.9234, 79.3575

Monochromacy

	Original Color 38.5680, 44.1771, 101.1020
	Achromatopsia 33.8758, 35.6400, 38.8120
	Achromatomaly 33.2783, 37.3567, 57.0864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5680, 44.1771, 101.1020 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(73, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 187, 255)  
}
```

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(73, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.5680, 44.1771, 101.1020 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(73, 187, 255) }
```


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

```
.border{ border-color:rgb(73, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5680, 44.1771, 101.1020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 187, 255) }
```

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

```
.background{ background-color: rgb(73, 187,  
255) }
```

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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