

Converting Colors

XYZ(51.6146, 56.2120, 71.7480)

Have a look what the booklet for
XYZ(51.6146, 56.2120, 71.7480)
contains.

XYZ(51.6146, 56.2120, 71.7480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.6146, 56.2120,
71.7480)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C9D6
RGB	179, 201, 214
RGB Percent	70%, 79%, 84%
CMY	0.2980, 0.2117, 0.1608
CMYK	0.16, 0.06, 0.00, 0.16
HSL	202°, 30%, 77%
HSV	202°, 16%, 84%
XYZ	51.6146, 56.2120, 71.7480
YIQ	195.9040, -17.2850, -0.6210

Conversions

Conversions Part 2

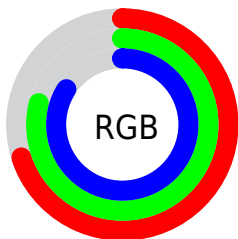
Format	Color
R _Y B	179, 193, 214
Decimal	11782614
CIE Lab	79.73, -4.72, -8.98
CIE LCh	80, 10.146, 242.263
Yxy	56.2120, 0.2874, 0.3130
Android (android.graphics.Color)	4289972694 (0xFFB3C9D6)
YUV	195.9040, 8.9213, -14.8248
Hunter-Lab	74.9747, -8.3214, -4.2561

Details

The XYZ color **51.6146, 56.2120, 71.7480** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.7183, 55.2500, 50.4292**, and the grayscale version is **52.3688, 55.0960, 59.9996**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **25.2959, 27.8063, 36.8348** is the 20% darker color. If you saturate the color by 10%, you get **45.2427, 50.2492, 70.9338**, and if you desaturate by 10%, it is **58.8532, 62.7669, 72.6326**.

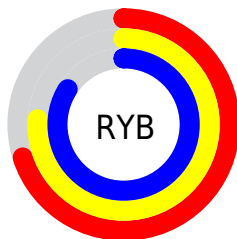
Distribution



Red (70%)

Green (79%)

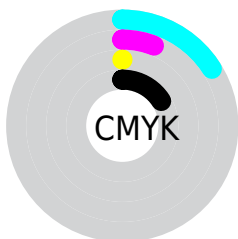
Blue (84%)



Red (70%)

Yellow (76%)

Blue (84%)

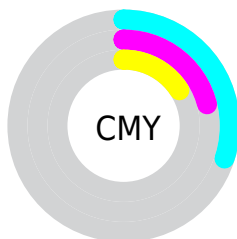


Cyan (16%)

Magenta (6%)

Yellow (0%)

Black (16%)



Cyan (30%)

Magenta (21%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6146, 56.2120, 71.7480 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 51.6146, 56.2120, 71.7480 by changing the saturation by 10% instead.

■ 51.6146, 56.2120,
71.7480

■ 51.6146, 56.2120,
71.7480

383.2954,
410.4900, 485.6179

■ 36.9210, 40.3729,
52.4673

■ 91.7402, 99.3145,
123.4026

■ 25.3197, 27.8294,
36.9929

117.9029,
127.3467, 156.6135

■ 16.4454, 18.1971,
24.9062

148.6194,
160.2120, 195.3049

■ 9.9327, 11.0916,
15.7888

184.2550,
198.2949, 239.8953

■ 5.4163, 6.1285,
9.2221

225.1750,
241.9798, 290.8033

■ 2.5308, 2.9234,
4.7875

271.7448,

■ 0.9108, 1.0919,

291.6510, 348.4473

2.0666

324.3298,
347.6929, 413.2461

■ 0.0000, 0.0000,
0.5958

■ 0.0000, 0.0000,
0.0000

■ 51.6146, 56.2120,
71.7480

■ 51.6146, 56.2120,
71.7480

■ 45.2427, 50.2492,
70.9338

■ 58.8532, 62.7669,
72.6326

■ 39.6959, 44.8503,
70.1841

■ 66.9881, 69.9268,
73.5858

■ 34.9363, 39.9953,
69.4978

■ 76.0532, 77.7126,
74.6109

■ 30.9210, 35.6598,
68.8726

■ 82.4579, 84.2754,
75.5401

■ 27.6023, 31.8169,
68.3057

■ 84.7559, 88.8714,
76.3061

■ 24.9271, 28.4367,
67.7943

■ 87.1565, 93.6726,
77.1063

■ 22.8330, 25.4850,
67.3349

■ 89.1378, 97.6351,
77.7667

■ 21.2421, 22.9188,
66.9235

■ 20.7365, 22.0526,
66.7829

Harmonies

Analogous

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



50.1642, 56.2120, 67.4298



51.6146, 56.2120, 71.7480



53.5836, 56.2120, 73.1896

Triad

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



51.6146, 56.2120, 71.7480



57.4631, 56.2120, 60.7608



51.3517, 56.2120, 52.1490

Complementary

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



51.6146, 56.2120, 71.7480



54.7183, 55.2500, 50.4292

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.



53.2724, 56.2120, 50.6063



51.6146, 56.2120, 71.7480



56.8300, 56.2120, 55.3762

Square

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



51.6146, 56.2120, 71.7480



56.9923, 56.2120, 66.6098



55.2830, 56.2120, 51.7495



50.0152, 56.2120, 56.1013

Rectangle

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



51.6146, 56.2120, 71.7480



54.9348, 56.2120, 72.2557



55.2830, 56.2120, 51.7495



51.9487, 56.2120, 51.3433

Sweetspot

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



51.6163, 56.2143, 71.7493



89.0219, 94.6777, 108.1904



52.1339, 61.4762, 58.8918



18.8789, 20.1088, 23.1363



0.0000, 0.0000, 0.0000



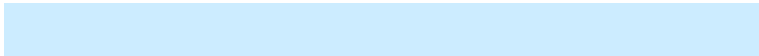
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.6163, 56.2143, 71.7493



72.9649, 80.0834, 106.2197



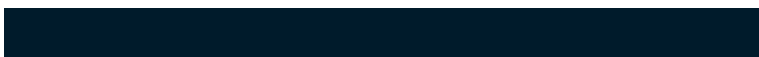
47.8003, 48.5824, 70.4773



12.3866, 13.2966, 15.8512



12.6364, 13.5345, 40.3996



0.8402, 0.9725, 2.4627

Inverse Universe

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



54.3956, 50.7546, 62.1906



77.9821, 70.5054, 88.9022



58.7515, 63.3165, 51.7736



12.7483, 12.5508, 14.6150



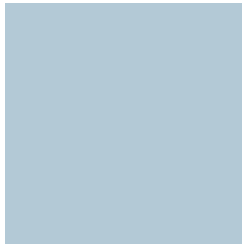
19.4371, 9.7112, 14.8717



1.2118, 0.6015, 1.1045

Previews

White Background



This preview shows how the XYZ color 51.6146, 56.2120, 71.7480 looks on a white background.

Color Contrast Check

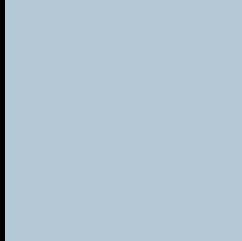
Large Text (above 18pt) WCAG AA × Fail

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 51.6146, 56.2120, 71.7480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

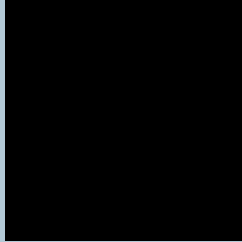
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

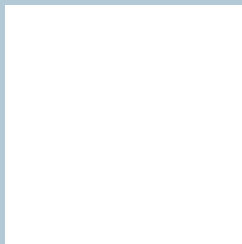
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6146, 56.2120, 71.7480

Background



This preview shows how black text looks on a background with the XYZ color 51.6146, 56.2120, 71.7480.

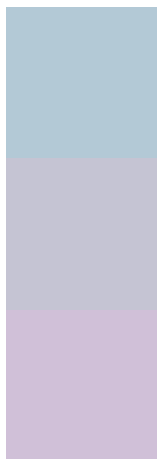


This preview shows how white text looks on a background with the XYZ color 51.6146, 56.2120,

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

51.6146, 56.2120, 71.7480

Protanopia

54.5238, 56.0533, 69.5737

Deuteranopia

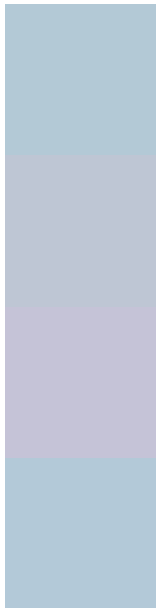
57.2567, 56.0670, 72.7700



Tritanopia

52.0014, 56.3667, 73.7847

Trichromacy



Original Color

51.6146, 56.2120, 71.7480

Protanomaly

53.3130, 56.0888, 70.3037

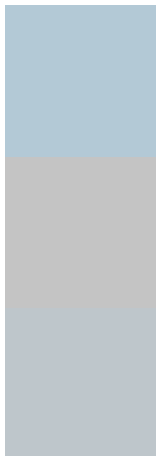
Deuteranomaly

54.8068, 55.8068, 72.1731

Tritanomaly

51.8717, 56.3149, 73.1017

Monochromacy



Original Color

51.6146, 56.2120, 71.7480

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.2088, 55.6471, 64.4892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6146, 56.2120, 71.7480 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(179, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(179, 201, 214)  
}
```

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(179, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 201, 214) }
```

Border

The CSS property to change the border of an element to XYZ 51.6146, 56.2120, 71.7480 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(179, 201, 214) }
```


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

```
.border{ border-color:rgb(179, 201, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 201, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(179, 201,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6146, 56.2120, 71.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 201, 214) }
```

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

```
.background{ background-color: rgb(179,  
201, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor