

Converting Colors

XYZ(56.2381, 62.1629, 80.6556)

Have a look what the booklet for
XYZ(56.2381, 62.1629, 80.6556)
contains.

XYZ(56.0778, 61.9033, 80.9444)	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(56.0778, 61.9033,
80.9444)**

Conversions

Conversions Part 1

Format	Color
Hex	B5D3E2
RGB	181, 211, 226
RGB Percent	71%, 83%, 89%
CMY	0.2902, 0.1725, 0.1137
CMYK	0.20, 0.07, 0.00, 0.11
HSL	200°, 44%, 80%
HSV	200°, 20%, 89%
XYZ	56.0778, 61.9033, 80.9444
YIQ	203.7400, -22.6950, -1.6950

Conversions

Conversions Part 2

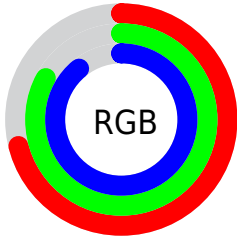
Format	Color
RYB	181, 199, 226
Decimal	11916258
CIELab	82.86, -6.77, -10.73
CIELCh	83, 12.683, 237.747
Yxy	61.9033, 0.2819, 0.3112
Android (android.graphics.Color)	4290106338 (0xFFB5D3E2)
YUV	203.7400, 10.9742, -19.9430
Hunter-Lab	78.6787, -10.4627, -5.9223

Details

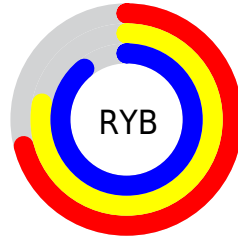
The XYZ color **56.0778, 61.9033, 80.9444** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.4450, 58.9849, 51.9695**, and the grayscale version is **57.1751, 60.1527, 65.5062**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **28.1601, 31.5662, 43.1368** is the 20% darker color. If you saturate the color by 10%, you get **49.3751, 55.7364, 80.1083**, and if you desaturate by 10%, it is **63.7314, 68.6938, 81.8527**.

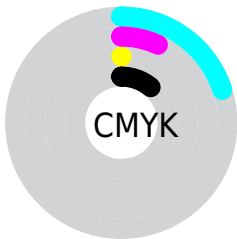
Distribution



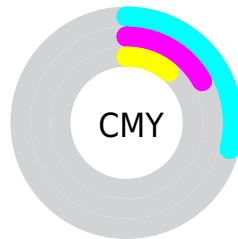
- Red (71%)
- Green (83%)
- Blue (89%)



- Red (71%)
- Yellow (78%)
- Blue (89%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0778, 61.9033, 80.9444 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 56.0778, 61.9033, 80.9444 by changing the saturation by 10% instead.

■ 56.0778, 61.9033,
80.9444

■ 56.0778, 61.9033,
80.9444

400.0549,
431.5783, 517.9003

■ 40.5025, 44.9546,
59.9651

■ 98.2575, 107.5858,
136.5161

■ 28.1165, 31.4216,
42.9654

125.5926,
137.0883, 171.9455

■ 18.5544, 20.9201,
29.5267

157.5784,
171.5442, 213.0287

■ 11.4509, 13.0656,
19.2307

194.5802,
211.3379, 260.1842

■ 6.4405, 7.4738,
11.6586

236.9634,
256.8537, 313.8306

■ 3.1579, 3.7601,
6.3919

285.0934,

■ 1.2378, 1.5403,

308.4761, 374.3864

3.0122

339.3354,
366.5895, 442.2701

■ 0.1359, 0.3168,
1.1009

■ 0.0000, 0.0000,
0.0000

■ 56.0778, 61.9033,
80.9444

■ 56.0778, 61.9033,
80.9444

■ 49.3751, 55.7364,
80.1083

■ 63.7314, 68.6938,
81.8527

■ 43.5754, 50.1617,
79.3380

■ 72.3703, 76.1226,
82.8313

■ 38.6343, 45.1563,
78.6323

■ 82.0335, 84.2130,
83.8836

■ 34.5016, 40.6925,
77.9885

■ 86.4622, 89.7402,
84.7170

■ 31.1213, 36.7394,
77.4036

■ 88.7397, 94.2953,
85.4762

■ 28.4297, 33.2623,
76.8744

■ 90.7277, 98.2711,
86.1388

■ 26.3512, 30.2203,
76.3967

■ 24.7563, 27.5446,
75.9643

■ 24.7430, 27.5217,
75.9606

Harmonies

Analogous

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



54.3090, 61.9033, 74.6527



56.0778, 61.9033, 80.9444



58.6309, 61.9033, 83.5825

Triad

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



56.0778, 61.9033, 80.9444



64.2446, 61.9033, 67.9955



56.4250, 61.9033, 54.9436

Complementary

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



56.0778, 61.9033, 80.9444



59.4450, 58.9849, 51.9695

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.



59.0440, 61.9033, 53.4576



56.0778, 61.9033, 80.9444



63.6104, 61.9033, 60.6370

Square

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



56.0778, 61.9033, 80.9444



63.3931, 61.9033, 75.7549



61.6857, 61.9033, 55.4614



54.5050, 61.9033, 59.6871

Rectangle

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



56.0778, 61.9033, 80.9444



60.4532, 61.9033, 82.7721



61.6857, 61.9033, 55.4614



57.2503, 61.9033, 54.0634

Sweetspot

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



56.0796, 61.9058, 80.9458



88.0382, 94.0024, 108.1119



56.1322, 68.1691, 61.9788



18.6867, 19.9847, 23.1225



0.0000, 0.0000, 0.0000



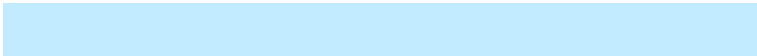
20.3446, 21.4041, 23.3091

Same Dimension

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



56.0796, 61.9058, 80.9458



69.8418, 77.8528, 105.9538



51.0362, 51.8189, 79.2646



13.7116, 14.7624, 17.5144



14.2291, 15.9277, 43.3728



1.0675, 1.2665, 3.0334

Inverse Universe

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



59.6473, 53.9211, 68.8950



75.4255, 65.7299, 87.0091



64.7122, 69.5193, 53.7252



14.0907, 13.8539, 16.2477



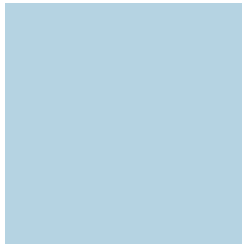
21.1224, 10.5159, 17.8420



1.5051, 0.7453, 1.4527

Previews

White Background



This preview shows how the XYZ color 56.0778, 61.9033, 80.9444 looks on a white background.

Color Contrast Check

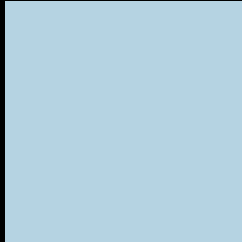
Large Text (above 18pt) WCAG AA × Fail

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 56.0778, 61.9033, 80.9444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

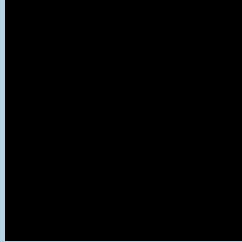
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

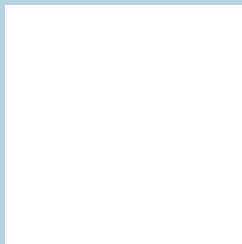
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0778, 61.9033, 80.9444

Background



This preview shows how black text looks on a background with the XYZ color 56.0778, 61.9033, 80.9444.



This preview shows how white text looks on a background with the XYZ color 56.0778, 61.9033,

80.9444.

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

56.0778, 61.9033, 80.9444

Protanopia

60.1930, 61.9157, 77.8857

Deuteranopia

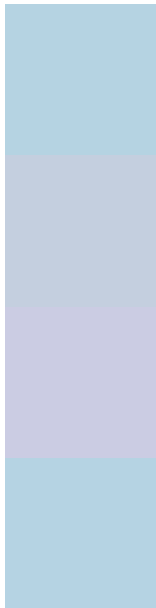
62.9768, 61.5089, 81.9520



Tritanopia

56.3539, 62.0137, 82.3985

Trichromacy



Original Color

56.0778, 61.9033, 80.9444

Protanomaly

58.3971, 61.6891, 78.6414

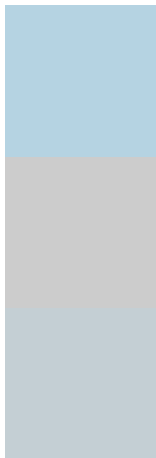
Deuteranomaly

60.0866, 61.4283, 81.3630

Tritanomaly

56.2154, 61.9583, 81.6693

Monochromacy



Original Color

56.0778, 61.9033, 80.9444

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.9614, 61.1149, 71.0815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0778, 61.9033, 80.9444 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(181, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(181, 211, 226)  
}
```

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(181, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 211, 226) }
```

Border

The CSS property to change the border of an element to XYZ 56.0778, 61.9033, 80.9444 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(181, 211, 226) }
```


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

```
.border{ border-color:rgb(181, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(181, 211,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0778, 61.9033, 80.9444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 211, 226) }
```

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

```
.background{ background-color: rgb(181,  
211, 226) }
```

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