

Converting Colors

XYZ(56.7949, 60.4033, 82.3147)

Have a look what the booklet for
XYZ(56.7949, 60.4033, 82.3147)
contains.

XYZ(56.8139, 60.4354, 82.0696)	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(56.8139, 60.4354,
82.0696)**

Conversions

Conversions Part 1

Format	Color
Hex	BCCEE4
RGB	188, 206, 228
RGB Percent	74%, 81%, 89%
CMY	0.2627, 0.1921, 0.1059
CMYK	0.18, 0.10, 0.00, 0.11
HSL	213°, 43%, 82%
HSV	213°, 18%, 89%
XYZ	56.8139, 60.4354, 82.0696
YIQ	203.1260, -17.7900, 3.0260

Conversions

Conversions Part 2

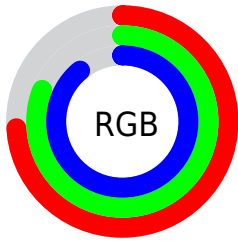
Format	Color
R _Y B	188, 200, 228
Decimal	12373732
CIE Lab	82.07, -1.55, -12.92
CIE LCh	82, 13.012, 263.174
Yxy	60.4354, 0.2850, 0.3032
Android (android.graphics.Color)	4290563812 (0xFFBCCEE4)
YUV	203.1260, 12.2629, -13.2655
Hunter-Lab	77.7402, -5.5945, -8.1737

Details

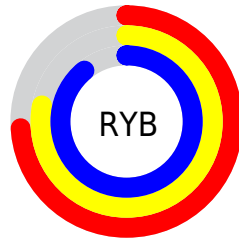
The XYZ color **56.8139, 60.4354, 82.0696** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.1190, 66.2179, 56.9801**, and the grayscale version is **56.7787, 59.7356, 65.0521**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **28.6026, 30.5419, 43.9228** is the 20% darker color. If you saturate the color by 10%, you get **48.7360, 51.9687, 80.8621**, and if you desaturate by 10%, it is **66.0236, 69.8461, 83.4016**.

Distribution



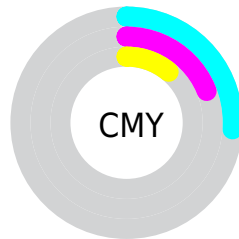
- Red (74%)
- Green (81%)
- Blue (89%)



- Red (74%)
- Yellow (78%)
- Blue (89%)



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (26%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8139, 60.4354, 82.0696 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 56.8139, 60.4354, 82.0696 by changing the saturation by 10% instead.

■ 56.8139, 60.4354,
82.0696

■ 56.8139, 60.4354,
82.0696

402.7771,
426.2008, 521.7700

■ 41.0954, 43.7697,
60.8868

■ 99.3265, 105.4610,
138.1092

■ 28.5816, 30.4895,
43.7038

126.8514,
134.5897, 173.8030

■ 18.9073, 20.2104,
30.1022

159.0423,
168.6415, 215.1708

■ 11.7069, 12.5481,
19.6635

196.2648,
208.0008, 262.6313

■ 6.6152, 7.1181,
11.9690

238.8842,
253.0519, 316.6029

■ 3.2668, 3.5361,
6.6003

287.2658,

■ 1.2964, 1.4176,

304.1794, 377.5042

3.1388

341.7750,
361.7676, 445.7537

■ 0.1805, 0.2296,
1.1659

■ 0.0000, 0.0000,
0.0000

■ 56.8139, 60.4354,
82.0696

■ 56.8139, 60.4354,
82.0696

■ 48.7360, 51.9687,
80.8621

■ 66.0236, 69.8461,
83.4016

■ 41.7373, 44.4061,
79.7712

■ 76.4038, 80.2242,
84.8577

■ 35.7689, 37.7151,
78.7943

■ 87.4803, 91.3345,
86.4184

■ 30.7758, 31.8587,
77.9271

■ 91.0038, 98.3815,
87.5929

■ 26.6972, 26.7960,
77.1648

■ 23.4650, 22.4822,
76.5026

■ 20.9998, 18.8662,
75.9345

■ 19.1966, 15.8831,
75.4538

■ 18.8159, 15.2257,
75.3469

Harmonies

Analogous

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



54.3209, 60.4354, 78.7285



56.8139, 60.4354, 82.0696



59.5549, 60.4354, 80.7809

Triad

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



56.8139, 60.4354, 82.0696



62.4578, 60.4354, 60.0048



53.2998, 60.4354, 57.1119

Complementary

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



56.8139, 60.4354, 82.0696



64.1190, 66.2179, 56.9801

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.



55.3798, 60.4354, 52.8028



56.8139, 60.4354, 82.0696



60.6805, 60.4354, 54.3773

Square

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



56.8139, 60.4354, 82.0696



62.8715, 60.4354, 67.6260



58.0748, 60.4354, 51.8432



52.3345, 60.4354, 64.0148

Rectangle

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



56.8139, 60.4354, 82.0696



61.1484, 60.4354, 77.5161



58.0748, 60.4354, 51.8432



53.8885, 60.4354, 55.3352

Sweetspot

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



56.8157, 60.4379, 82.0710



88.3176, 93.2691, 107.9556



60.0335, 70.7993, 71.0409



18.7077, 19.7665, 23.0793



0.0000, 0.0000, 0.0000



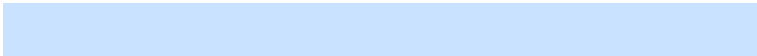
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8157, 60.4379, 82.0710



69.3330, 73.8488, 105.2077



53.0570, 52.4306, 80.7235



14.1143, 14.9500, 18.2861



10.9796, 9.0212, 43.5458



0.9030, 0.8500, 3.2484

Inverse Universe

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



61.1201, 56.9180, 66.1602



75.8976, 68.7098, 80.8910



68.3951, 75.3955, 58.5261



14.6453, 14.4753, 16.3324



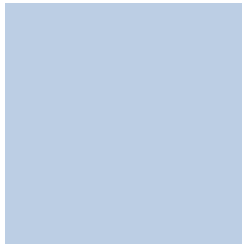
19.9355, 10.1084, 8.5552



1.5194, 0.7655, 0.8758

Previews

White Background



This preview shows how the XYZ color 56.8139, 60.4354, 82.0696 looks on a white background.

Color Contrast Check

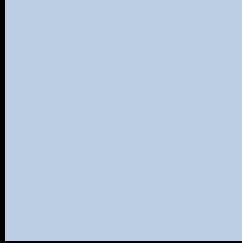
Large Text (above 18pt) WCAG AA × Fail

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 56.8139, 60.4354, 82.0696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

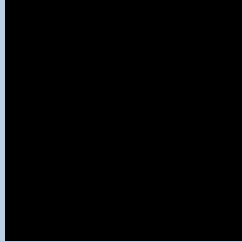
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

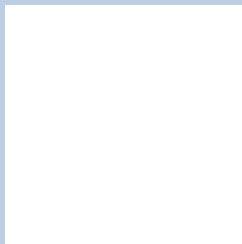
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8139, 60.4354, 82.0696

Background



This preview shows how black text looks on a background with the XYZ color 56.8139, 60.4354, 82.0696.



This preview shows how white text looks on a background with the XYZ color 56.8139, 60.4354,

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

56.8139, 60.4354, 82.0696

Protanopia

58.9354, 60.1496, 80.4553

Deuteranopia

61.8577, 60.5571, 83.2913



Tritanopia

56.1256, 60.5182, 78.5351

Trichromacy



Original Color

56.8139, 60.4354, 82.0696

Protanomaly

57.9860, 59.9937, 81.1968

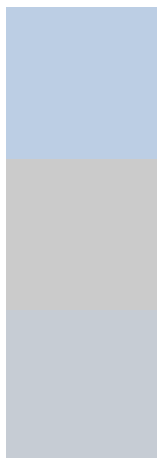
Deuteranomaly

59.8920, 60.5947, 82.6680

Tritanomaly

56.3969, 60.6267, 79.9638

Monochromacy



Original Color

56.8139, 60.4354, 82.0696

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

56.7652, 59.9450, 70.8660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8139, 60.4354, 82.0696 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(188, 206, 228)` looks like.

```
.text, #text, p{  
    color:rgb(188, 206, 228)  
}
```

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(188, 206, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 206, 228) }
```

Border

The CSS property to change the border of an element to XYZ 56.8139, 60.4354, 82.0696 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(188, 206, 228) }
```


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

```
.border{ border-color:rgb(188, 206, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 206, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 206, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 206, 228);  
box-shadow:4px 4px 4px 4px rgb(188, 206,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8139, 60.4354, 82.0696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 206, 228) }
```

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

```
.background{ background-color: rgb(188,  
206, 228) }
```

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