

# Converting Colors

XYZ(56.9532, 60.4911, 82.8029)

Have a look what the booklet for  
XYZ(56.9532, 60.4911, 82.8029)  
contains.

<b>XYZ(56.9532, 60.4911, 82.8029)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(56.9532, 60.4911,  
82.8029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCCEE5
RGB	188, 206, 229
RGB Percent	74%, 81%, 90%
CMY	0.2627, 0.1921, 0.1020
CMYK	0.18, 0.10, 0.00, 0.10
HSL	214°, 44%, 82%
HSV	214°, 18%, 90%
XYZ	56.9532, 60.4911, 82.8029
YIQ	203.2400, -18.1110, 3.3370

# Conversions

## Conversions Part 2

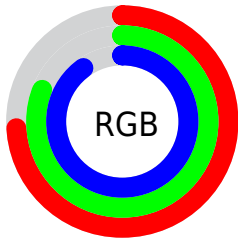
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 201, 229
Decimal	12373733
CIE <sub>Lab</sub>	82.10, -1.33, -13.41
CIE <sub>LCh</sub>	82, 13.475, 264.325
Yxy	60.4911, 0.2844, 0.3021
Android (android.graphics.Color)	4290563813 (0xFFBCCEE5)
YUV	203.2400, 12.6997, -13.3655
Hunter-Lab	77.7760, -5.3975, -8.6789

# Details

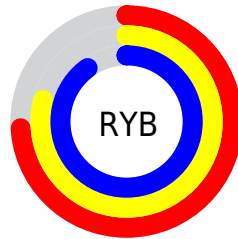
The XYZ color **56.9532, 60.4911, 82.8029** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6850, 66.8774, 57.0777**, and the grayscale version is **56.8478, 59.8083, 65.1313**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **28.6997, 30.5808, 44.4344** is the 20% darker color. If you saturate the color by 10%, you get **48.7866, 51.8779, 81.5718**, and if you desaturate by 10%, it is **66.2713, 70.0762, 84.1629**.

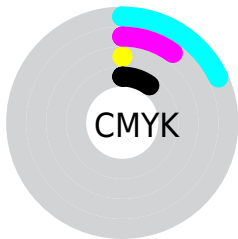
# Distribution



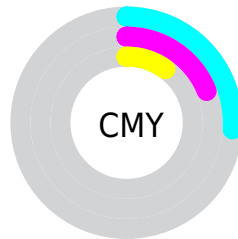
- Red (74%)
- Green (81%)
- Blue (90%)



- Red (74%)
- Yellow (79%)
- Blue (90%)



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



- Cyan (26%)
- Magenta (19%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9532, 60.4911, 82.8029 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 56.9532, 60.4911, 82.8029 by changing the saturation by 10% instead.



■ 56.9532, 60.4911,  
82.8029

■ 56.9532, 60.4911,  
82.8029

403.2909,  
426.4056, 524.2832

■ 41.2077, 43.8146,  
61.4879

■ 99.5287, 105.5417,  
139.1461

■ 28.6698, 30.5248,  
44.1859

127.0893,  
134.6847, 175.0115

■ 18.9742, 20.2373,  
30.4784

159.3190,  
168.7519, 216.5640

■ 11.7555, 12.5676,  
19.9469

196.5831,  
208.1277, 264.2222

■ 6.6484, 7.1315,  
12.1728

239.2470,  
253.1966, 318.4047

■ 3.2876, 3.5445,  
6.7375

287.6760,

■ 1.3076, 1.4222,

304.3430, 379.5300

3.2225

342.2356,  
361.9512, 448.0166

■ 0.1889, 0.2330,  
1.2093

■ 0.0000, 0.0000,  
0.0000

■ 56.9532, 60.4911,  
82.8029

■ 56.9532, 60.4911,  
82.8029

■ 48.7866, 51.8779,  
81.5718

■ 66.2713, 70.0762,  
84.1629

■ 41.7178, 44.1954,  
80.4615

■ 76.7807, 80.6576,  
85.6514

■ 35.6971, 37.4102,  
79.4691

■ 87.8963, 91.9438,  
87.2440

■ 30.6682, 31.4836,  
78.5902

■ 91.1430, 98.4372,  
88.3262

■ 26.5690, 26.3737,  
77.8200

■ 23.3298, 22.0338,  
77.1530

■ 20.8694, 18.4112,  
76.5835

■ 19.0777, 15.4373,  
76.1039

■ 18.7532, 14.8775,  
76.0129

# Harmonies

## Analogous

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



54.3488, 60.4911, 79.4969



56.9532, 60.4911, 82.8029



59.7888, 60.4911, 81.2745

# Triad

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



56.9532, 60.4911, 82.8029



62.6502, 60.4911, 59.5910



53.1447, 60.4911, 57.1045

# Complementary

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



56.9532, 60.4911, 82.8029



64.6850, 66.8774, 57.0777

# 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.



55.2606, 60.4911, 52.5370



56.9532, 60.4911, 82.8029



60.7603, 60.4911, 53.8871

# Square

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



56.9532, 60.4911, 82.8029



63.1396, 60.4911, 67.4333



58.0402, 60.4911, 51.4096



52.1972, 60.4911, 64.3202



# Rectangle

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



56.9532, 60.4911, 82.8029



61.4215, 60.4911, 77.7794



58.0402, 60.4911, 51.4096



53.7394, 60.4911, 55.2332

# Sweetspot

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



56.9550, 60.4936, 82.8043



88.2746, 93.1831, 107.9413



60.4610, 71.4117, 71.9310



18.6973, 19.7456, 23.0758



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.



56.9550, 60.4936, 82.8043



69.1737, 73.5303, 105.1547



53.3751, 52.5786, 81.4652



14.1009, 14.9233, 18.2816



10.8374, 8.7369, 43.4984



0.8920, 0.8280, 3.2448



# Inverse Universe

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



61.4384, 57.0821, 66.1751



75.8172, 68.6776, 80.4677



68.7602, 75.9933, 58.6224



14.6385, 14.4726, 16.2969



19.8637, 10.0797, 8.1773

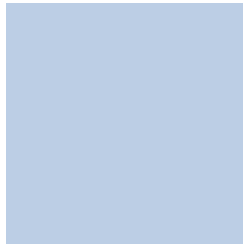


1.5139, 0.7633, 0.8466



# Previews

## White Background



This preview shows how the XYZ color 56.9532, 60.4911, 82.8029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

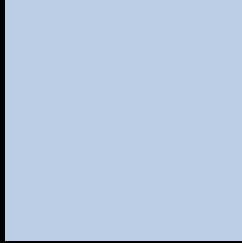
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9532, 60.4911, 82.8029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

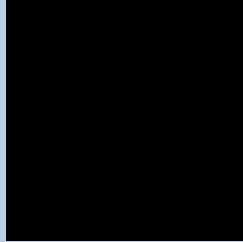
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

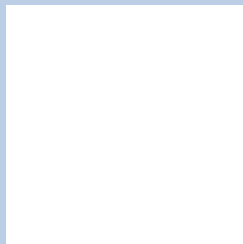
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.9532, 60.4911, 82.8029**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9532, 60.4911, 82.8029.



This preview shows how white text looks on a background with the XYZ color 56.9532, 60.4911,



# 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

56.9532, 60.4911, 82.8029

### Protanopia

59.0731, 60.2046, 81.1802

### Deuteranopia

61.5703, 60.4089, 83.2779



## Tritanopia

56.1256, 60.5182, 78.5351

# Trichromacy



## Original Color

56.9532, 60.4911, 82.8029

## Protanomaly

58.1245, 60.0491, 81.9259

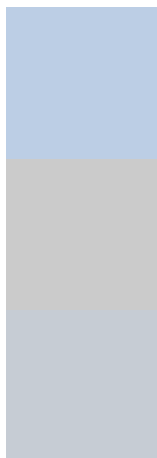
## Deuteranomaly

60.0321, 60.6507, 83.4056

## Tritanomaly

56.3969, 60.6267, 79.9638

# Monochromacy



## Original Color

56.9532, 60.4911, 82.8029

## 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 56.9532, 60.4911, 82.8029 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(188, 206, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 206, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9532, 60.4911, 82.8029 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, 229) }
```



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

```
.border{ border-color:rgb(188, 206, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 206, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 206, 229);  
box-shadow:4px 4px 4px 4px rgb(188, 206,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9532, 60.4911, 82.8029 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, 229) }
```

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

```
.background{ background-color: rgb(188,  
206, 229) }
```

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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