

# Converting Colors

XYZ(56.6542, 61.3463, 74.3863)

Have a look what the booklet for  
XYZ(56.6542, 61.3463, 74.3863)  
contains.

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# **Color**

**XYZ(56.5661, 61.1979,  
74.4767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFD0D9
RGB	191, 208, 217
RGB Percent	75%, 82%, 85%
CMY	0.2510, 0.1843, 0.1490
CMYK	0.12, 0.04, 0.00, 0.15
HSL	201°, 25%, 80%
HSV	201°, 12%, 85%
XYZ	56.5661, 61.1979, 74.4767
YIQ	203.9430, -13.0210, -0.8050

# Conversions

## Conversions Part 2

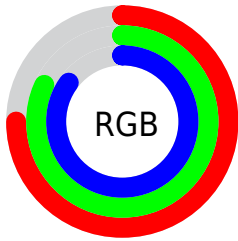
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 201, 217
Decimal	12570841
CIE Lab	82.49, -3.93, -6.42
CIE LCh	82, 7.524, 238.511
Yxy	61.1979, 0.2942, 0.3183
Android (android.graphics.Color)	4290760921 (0xFFBFD0D9)
YUV	203.9430, 6.4371, -11.3510
Hunter-Lab	78.2291, -7.8306, -1.6857

# Details

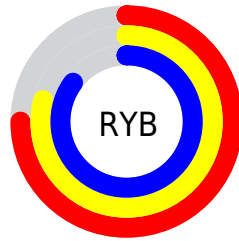
The XYZ color **56.5661, 61.1979, 74.4767** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.6738, 59.8215, 57.7455**, and the grayscale version is **57.3265, 60.3119, 65.6797**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **28.3937, 31.0382, 38.6769** is the 20% darker color. If you saturate the color by 10%, you get **49.7208, 55.0168, 73.6454**, and if you desaturate by 10%, it is **64.3102, 67.9743, 75.3775**.

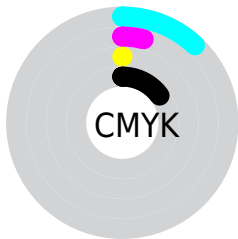
# Distribution



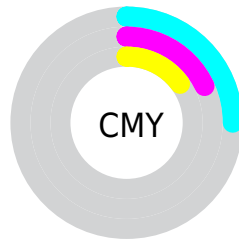
- Red (75%)
- Green (82%)
- Blue (85%)



- Red (75%)
- Yellow (79%)
- Blue (85%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)



- Cyan (25%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5661, 61.1979, 74.4767 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 56.5661, 61.1979, 74.4767 by changing the saturation by 10% instead.



■ 56.5661, 61.1979,  
74.4767

■ 56.5661, 61.1979,  
74.4767

401.8619,  
428.9992, 495.3243

■ 40.8958, 44.3849,  
54.6851

■ 98.9668, 106.5654,  
127.3116

■ 28.4250, 30.9732,  
38.7528

126.4279,  
135.8887, 161.1920

■ 18.7883, 20.5785,  
26.2611

158.5499,  
170.1510, 200.6058

■ 11.6205, 12.8162,  
16.7916

195.6983,  
209.7365, 245.9716

■ 6.5562, 7.3021,  
9.9256

238.2383,  
255.0296, 297.7077

■ 3.2300, 3.6518,  
5.2447

286.5354,

■ 1.2765, 1.4807,

306.4149, 356.2329

2.3303

340.9548,  
364.2766, 421.9656

■ 0.1655, 0.2751,  
0.7481

■ 0.0000, 0.0000,  
0.0000

■ 56.5661, 61.1979,  
74.4767

■ 56.5661, 61.1979,  
74.4767

■ 49.7208, 55.0168,  
73.6454

■ 64.3102, 67.9743,  
75.3775

■ 43.7324, 49.4027,  
72.8774

■ 72.9821, 75.3578,  
76.3456

■ 38.5633, 44.3361,  
72.1719

■ 82.2096, 83.1598,  
77.3652

■ 34.1711, 39.7933,  
71.5265

■ 84.3509, 87.4425,  
78.0790

■ 30.5091, 35.7484,  
70.9388

■ 86.5835, 91.9077,  
78.8232

■ 27.5253, 32.1726,  
70.4058

■ 88.9083, 96.5574,  
79.5981

■ 25.1601, 29.0332,  
69.9245

■ 89.5246, 97.7898,  
79.8035

■ 23.3424, 26.2915,  
69.4911

■ 22.1844, 24.3296,  
69.1735

# Harmonies

## Analogous

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



55.4910, 61.1979, 70.9523



56.5661, 61.1979, 74.4767



58.0864, 61.1979, 75.8872

# Triad

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



56.5661, 61.1979, 74.4767



61.3138, 61.1979, 66.8646



56.7029, 61.1979, 59.1495

# Complementary

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



56.5661, 61.1979, 74.4767



58.6738, 59.8215, 57.7455

# 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.



58.2472, 61.1979, 58.1655



56.5661, 61.1979, 74.4767



60.9272, 61.1979, 62.4948

# Square

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



56.5661, 61.1979, 74.4767



60.8443, 61.1979, 71.3689



59.7974, 61.1979, 59.3624



55.5689, 61.1979, 62.1135



# Rectangle

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



56.5661, 61.1979, 74.4767



59.1543, 61.1979, 75.3918



59.7974, 61.1979, 59.3624



57.1903, 61.1979, 58.5824

# Sweetspot

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



56.5679, 61.2005, 74.4781



90.2808, 95.8852, 108.3571



56.6861, 64.8577, 63.9717



19.1370, 20.3612, 23.1714



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

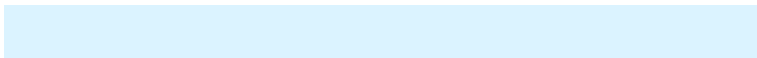


# Same Dimension

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



56.5679, 61.2005, 74.4781



79.2987, 86.2165, 107.0697



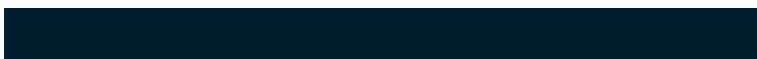
53.6011, 55.2669, 73.4891



13.0459, 14.0315, 16.6729



13.5312, 14.9319, 41.9074



0.9559, 1.1259, 2.7414



# Inverse Universe

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



58.6326, 56.5686, 67.5061



82.7742, 78.5294, 95.3095



61.7307, 65.9353, 58.7644



13.4130, 13.1943, 15.4362



20.3253, 10.1311, 16.6247

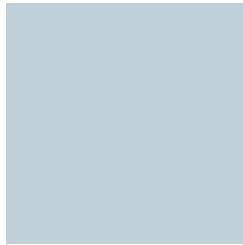


1.3568, 0.6723, 1.2877



# Previews

## White Background



This preview shows how the XYZ color 56.5661, 61.1979, 74.4767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

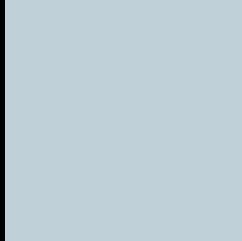
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5661, 61.1979, 74.4767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

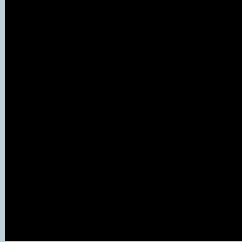
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

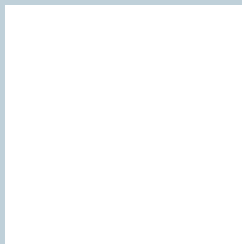
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.5661, 61.1979, 74.4767

## Background



This preview shows how black text looks on a background with the XYZ color 56.5661, 61.1979, 74.4767.



This preview shows how white text looks on a background with the XYZ color 56.5661, 61.1979,



# 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

56.5661, 61.1979, 74.4767

### Protanopia

59.1841, 61.1626, 72.3046

### Deuteranopia

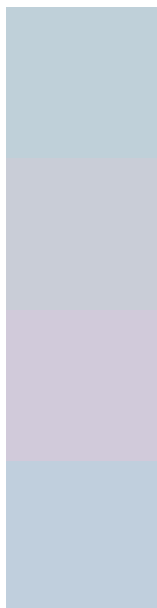
62.4230, 61.0214, 75.5061



## Tritanopia

57.3703, 61.1598, 78.5933

# Trichromacy



## Original Color

56.5661, 61.1979, 74.4767

## Protanomaly

58.1845, 60.9864, 72.9949

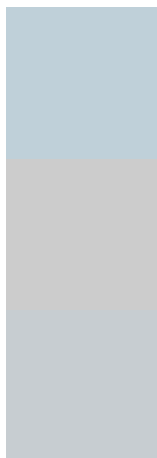
## Deuteranomaly

60.0699, 60.8583, 74.9105

## Tritanomaly

57.1022, 61.0526, 77.1813

# Monochromacy



## Original Color

56.5661, 61.1979, 74.4767

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

56.8931, 60.4082, 68.9830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5661, 61.1979, 74.4767 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(191, 208, 217)` looks like.

```
.text, #text, p{  
    color:rgb(191, 208, 217)  
}
```

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(191, 208, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 208, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5661, 61.1979, 74.4767 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(191, 208, 217) }
```



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

```
.border{ border-color:rgb(191, 208, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 208, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 208, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 208, 217); box-shadow:4px 4px 4px 4px rgb(191, 208, 217) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5661, 61.1979, 74.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 208, 217) }
```

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

```
.background{ background-color: rgb(191,  
208, 217) }
```

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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