

# Converting Colors

XYZ(55.8302, 61.8062, 69.7376)

Have a look what the booklet for  
XYZ(55.8302, 61.8062, 69.7376)  
contains.

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# Color

**XYZ(55.6657, 61.5651,  
69.9221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD2D2
RGB	189, 210, 210
RGB Percent	74%, 82%, 82%
CMY	0.2588, 0.1765, 0.1765
CMYK	0.10, 0.00, 0.00, 0.18
HSL	180°, 19%, 78%
HSV	180°, 10%, 82%
XYZ	55.6657, 61.5651, 69.9221
YIQ	203.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

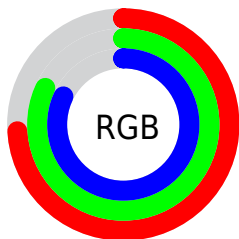
Format	Color
<b>RYB</b>	189, 200, 210
Decimal	12440274
CIELab	82.68, -7.02, -2.41
CIELCh	83, 7.423, 198.940
Yxy	61.5651, 0.2974, 0.3290
Android (android.graphics.Color)	4290630354 (0xFFBDD2D2)
YUV	203.7210, 3.0955, -12.9103
Hunter-Lab	78.4634, -10.6746, 2.0886

# Details

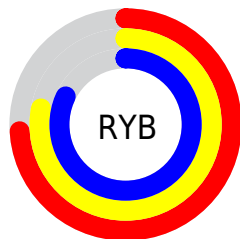
The XYZ color **55.6657, 61.5651, 69.9221** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.9635, 53.7726, 55.6819**, and the grayscale version is **57.2066, 60.1858, 65.5423**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **28.0426, 31.4115, 36.0375** is the 20% darker color. If you saturate the color by 10%, you get **50.8291, 59.0735, 69.6950**, and if you desaturate by 10%, it is **61.2601, 64.4508, 70.1872**.

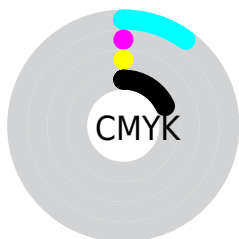
# Distribution



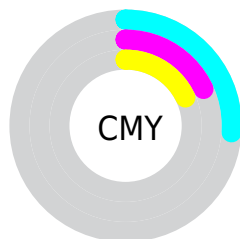
- Red (74%)
- Green (82%)
- Blue (82%)



- Red (74%)
- Yellow (78%)
- Blue (82%)



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



- Cyan (26%)
- Magenta (18%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6657, 61.5651, 69.9221 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 55.6657, 61.5651, 69.9221 by changing the saturation by 10% instead.



■ 55.6657, 61.5651,  
69.9221

■ 55.6657, 61.5651,  
69.9221

398.5259,  
430.3429, 479.0582

■ 40.1709, 44.6814,  
50.9866

■ 97.6583, 107.0967,  
120.7777

■ 27.8566, 31.2065,  
35.8213

124.8868,  
136.5134, 153.5350

■ 18.3575, 20.7562,  
24.0076

156.7572,  
170.8766, 191.7365

■ 11.3082, 12.9459,  
15.1270

193.6349,  
210.5706, 235.8009

■ 6.3434, 7.3913,  
8.7610

235.8853,  
255.9798, 286.1468

■ 3.0976, 3.7080,  
4.4909

283.8737,

■ 1.2056, 1.5116,

307.4887, 343.1926

1.8983

337.9655,  
365.4816, 407.3569

■ 0.1108, 0.2969,  
0.4917

■ 0.0000, 0.0000,  
0.0000

■ 55.6657, 61.5651,  
69.9221

■ 55.6657, 61.5651,  
69.9221

■ 50.8291, 59.0735,  
69.6950

■ 61.2601, 64.4508,  
70.1872

■ 46.7128, 56.9515,  
69.5004

■ 67.6374, 67.7383,  
70.4877

■ 43.2838, 55.1838,  
69.3379

■ 74.8279, 71.4451,  
70.8262

■ 40.5049, 53.7513,  
69.2059

■ 75.9223, 72.0092,  
70.8794

■ 38.3349, 52.6327,  
69.1023

■ 75.9227, 72.0094,  
70.8814

■ 36.7283, 51.8044,  
69.0251

■ 75.9230, 72.0096,  
70.8834

■ 35.6328, 51.2398,  
68.9718

■ 75.9234, 72.0097,  
70.8855

■ 34.9869, 50.9068,  
68.9396

■ 75.9238, 72.0099,  
70.8875

■ 34.6773, 50.7472,  
68.9231

■ 75.9242, 72.0100,  
70.8895

# Harmonies

## Analogous

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



55.5604, 61.5651, 65.3648



55.6657, 61.5651, 69.9221



56.5265, 61.5651, 73.8694

# Triad

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



55.6657, 61.5651, 69.9221



60.8562, 61.5651, 72.9637



59.1055, 61.5651, 58.7867

# Complementary

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



55.6657, 61.5651, 69.9221



53.9635, 53.7726, 55.6819

# 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.



60.5512, 61.5651, 60.6337



55.6657, 61.5651, 69.9221



61.5742, 61.5651, 68.7312

# Square

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



55.6657, 61.5651, 69.9221



59.5157, 61.5651, 75.6797



61.4615, 61.5651, 64.2264



57.5271, 61.5651, 59.0730



# Rectangle

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



55.6657, 61.5651, 69.9221



57.4218, 61.5651, 75.5594



61.4615, 61.5651, 64.2264



59.6236, 61.5651, 59.1752

# Sweetspot

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



55.6675, 61.5677, 69.9235



92.2911, 98.5778, 108.7699



53.3069, 60.6335, 57.0390



19.6003, 21.0204, 23.2740



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.



55.6675, 61.5677, 69.9235



84.6739, 94.6510, 108.4106



53.2404, 56.7130, 69.1164



12.1584, 13.4071, 15.1903



21.1517, 30.9536, 42.0402



1.1827, 1.7307, 2.3508

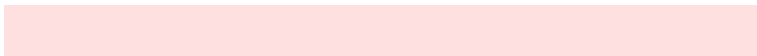


# Inverse Universe

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



53.9635, 53.7726, 55.6819



81.5128, 80.1904, 81.9911



56.2238, 58.2939, 56.4337



11.8089, 11.8083, 12.2692



16.2125, 8.3579, 0.7594



0.9065, 0.4673, 0.0426



# Previews

## White Background



This preview shows how the XYZ color 55.6657, 61.5651, 69.9221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

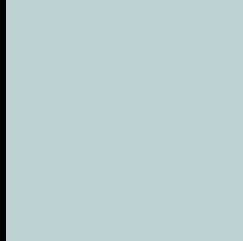
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.6657, 61.5651, 69.9221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

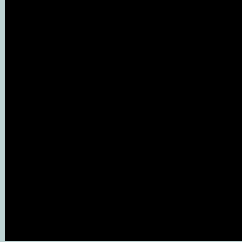
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

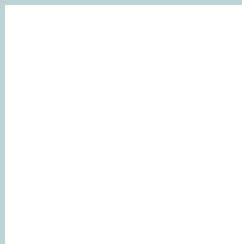
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.6657, 61.5651, 69.9221

## Background



This preview shows how black text looks on a background with the XYZ color 55.6657, 61.5651, 69.9221.



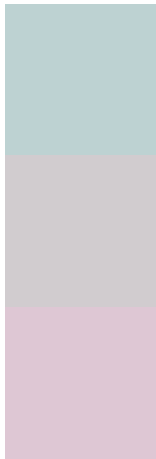
This preview shows how white text looks on a background with the XYZ color 55.6657, 61.5651,



# 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

55.6657, 61.5651, 69.9221

### Protanopia

59.1498, 61.2460, 67.7356

### Deuteranopia

62.4313, 61.1299, 70.7961



## Tritanopia

57.4963, 61.5699, 79.3748

# Trichromacy



## Original Color

55.6657, 61.5651, 69.9221

## Protanomaly

57.8136, 61.2532, 68.4505

## Deuteranomaly

59.6921, 61.1167, 70.2786

## Tritanomaly

56.8219, 61.6626, 75.9251

# Monochromacy



## Original Color

55.6657, 61.5651, 69.9221

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

56.7651, 60.7410, 67.1249

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6657, 61.5651, 69.9221 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(189, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(189, 210, 210)  
}
```

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(189, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 210, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6657, 61.5651, 69.9221 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(189, 210, 210) }
```



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

```
.border{ border-color:rgb(189, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(189, 210,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6657, 61.5651, 69.9221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 210, 210) }
```

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

```
.background{ background-color: rgb(189,  
210, 210) }
```

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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