

# Converting Colors

XYZ(56.1678, 60.4874, 72.3347)

Have a look what the booklet for  
XYZ(56.1678, 60.4874, 72.3347)  
contains.

<b>XYZ(55.9471, 60.2041, 72.2902)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.9471, 60.2041,  
72.2902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0CED6
RGB	192, 206, 214
RGB Percent	75%, 81%, 84%
CMY	0.2471, 0.1921, 0.1608
CMYK	0.10, 0.04, 0.00, 0.16
HSL	202°, 21%, 80%
HSV	202°, 10%, 84%
XYZ	55.9471, 60.2041, 72.2902
YIQ	202.7260, -10.9120, -0.4800

# Conversions

## Conversions Part 2

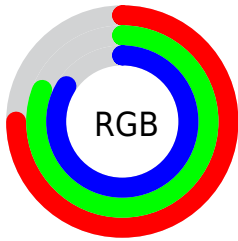
Format	Color
R <sub>Y</sub> B	192, 201, 214
Decimal	12635862
CIE Lab	81.95, -3.16, -5.60
CIE LCh	82, 6.429, 240.563
Yxy	60.2041, 0.2969, 0.3195
Android (android.graphics.Color)	4290825942 (0xFFC0CED6)
YUV	202.7260, 5.5581, -9.4067
Hunter-Lab	77.5913, -7.0776, -0.9253

# Details

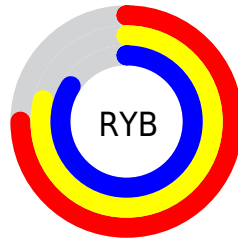
The XYZ color **55.9471, 60.2041, 72.2902** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.9005, 59.4101, 58.2857**, and the grayscale version is **56.5655, 59.5113, 64.8078**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **27.9675, 30.3629, 37.1875** is the 20% darker color. If you saturate the color by 10%, you get **49.0914, 53.9598, 71.4472**, and if you desaturate by 10%, it is **63.6869, 67.0450, 73.2036**.

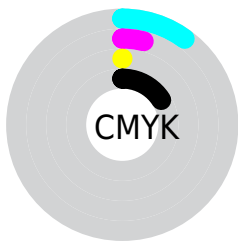
# Distribution



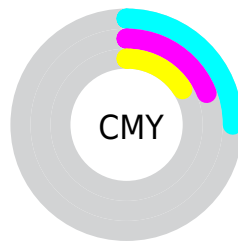
- Red (75%)
- Green (81%)
- Blue (84%)



- Red (75%)
- Yellow (79%)
- Blue (84%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (25%)
- Magenta (19%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9471, 60.2041, 72.2902 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 55.9471, 60.2041, 72.2902 by changing the saturation by 10% instead.



■ 55.9471, 60.2041,  
72.2902

■ 55.9471, 60.2041,  
72.2902

399.5704,  
425.3497, 487.5557

■ 40.3973, 43.5832,  
52.9075

■ 98.0675, 105.1257,  
124.1806

■ 28.0341, 30.3429,  
37.3417

125.3688,  
134.1951, 157.5253

■ 18.4919, 20.0990,  
25.1743

157.3181,  
168.1829, 196.3612

■ 11.4056, 12.4671,  
15.9868

194.2806,  
207.4733, 241.1067

■ 6.4096, 7.0626,  
9.3605

236.6217,  
252.4508, 292.1803

■ 3.1387, 3.5013,  
4.8771

284.7068,

■ 1.2275, 1.3987,

303.4997, 350.0007

2.1178

338.9013,  
361.0046, 414.9863

■ 0.1280, 0.2158,  
0.6264

■ 0.0000, 0.0000,  
0.0000

■ 55.9471, 60.2041,  
72.2902

■ 55.9471, 60.2041,  
72.2902

■ 49.0914, 53.9598,  
71.4472

■ 63.6869, 67.0450,  
73.2036

■ 43.0794, 48.2844,  
70.6686

■ 72.3386, 74.4940,  
74.1854

■ 37.8751, 43.1590,  
69.9536

■ 81.4916, 82.3428,  
75.2180

■ 33.4378, 38.5607,  
69.2999

■ 83.6968, 86.7531,  
75.9530

■ 29.7231, 34.4642,  
68.7050

■ 85.9997, 91.3589,  
76.7207

■ 26.6814, 30.8421,  
68.1662

■ 88.4015, 96.1625,  
77.5213

■ 24.2566, 27.6630,  
67.6804

■ 89.1378, 97.6351,  
77.7667

■ 22.3818, 24.8903,  
67.2440

■ 20.9719, 22.5233,  
66.8614

# Harmonies

## Analogous

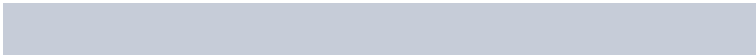
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.0008, 60.2041, 69.4327



55.9471, 60.2041, 72.2902



57.2479, 60.2041, 73.3264

# Triad

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



55.9471, 60.2041, 72.2902



59.8760, 60.2041, 65.4785



55.9033, 60.2041, 59.3149

# Complementary

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



55.9471, 60.2041, 72.2902



57.9005, 59.4101, 58.2857

# 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.



57.1965, 60.2041, 58.3476



55.9471, 60.2041, 72.2902



59.5026, 60.2041, 61.8187

# Square

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



55.9471, 60.2041, 72.2902



59.5290, 60.2041, 69.3005



58.5165, 60.2041, 59.2461



54.9758, 60.2041, 61.9412



# Rectangle

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



55.9471, 60.2041, 72.2902



58.1452, 60.2041, 72.8140



58.5165, 60.2041, 59.2461



56.3090, 60.2041, 58.7897

# Sweetspot

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



55.9488, 60.2066, 72.2915



91.4106, 96.8164, 108.4773



56.1761, 63.4568, 63.7485



19.3619, 20.5436, 23.1948



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

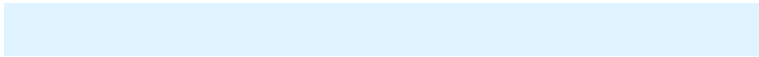


# Same Dimension

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



55.9488, 60.2066, 72.2915



81.2283, 87.7586, 107.2657



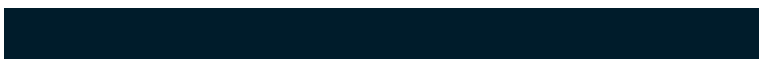
53.4592, 55.2273, 71.4617



12.3950, 13.3134, 15.8540



12.7780, 13.8178, 40.4468



0.8481, 0.9883, 2.4654



# Inverse Universe

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



57.7231, 56.4528, 66.2496



84.3137, 81.3108, 96.7408



60.4668, 64.5426, 59.1412



12.7526, 12.5525, 14.6372



19.5086, 9.7398, 15.2483

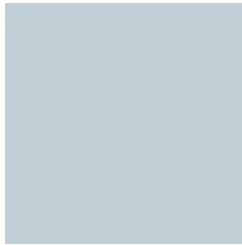


1.2158, 0.6031, 1.1255



# Previews

## White Background



This preview shows how the XYZ color 55.9471, 60.2041, 72.2902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

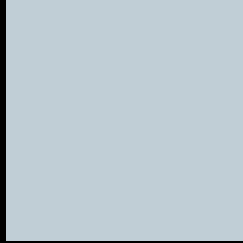
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9471, 60.2041, 72.2902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

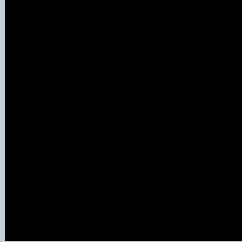
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

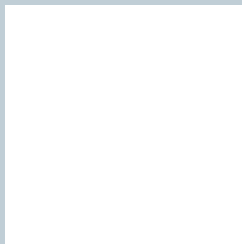
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.9471, 60.2041, 72.2902

## Background



This preview shows how black text looks on a background with the XYZ color 55.9471, 60.2041, 72.2902.



This preview shows how white text looks on a background with the XYZ color 55.9471, 60.2041,



# 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

55.9471, 60.2041, 72.2902

### Protanopia

58.1810, 59.9737, 70.7970

### Deuteranopia

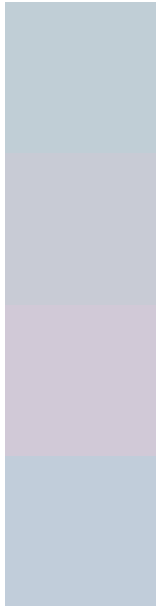
61.5022, 60.2515, 73.3539



## Tritanopia

56.8748, 60.2206, 77.0327

# Trichromacy



## Original Color

55.9471, 60.2041, 72.2902

## Protanomaly

57.1856, 59.7953, 71.4784

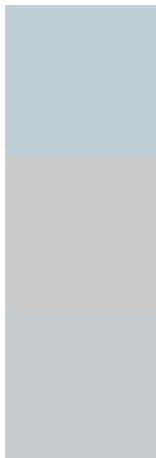
## Deuteranomaly

59.4469, 60.2349, 72.7833

## Tritanomaly

56.4785, 60.0621, 74.9461

# Monochromacy



## Original Color

55.9471, 60.2041, 72.2902

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.4085, 59.8328, 67.6073

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9471, 60.2041, 72.2902 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(192, 206, 214) looks like.

```
.text, #text, p{  
    color:rgb(192, 206, 214)  
}
```

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(192, 206, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 206, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9471, 60.2041, 72.2902 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(192, 206, 214) }
```



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

```
.border{ border-color:rgb(192, 206, 214) }
```

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

Here you see how a box with a 4 pixel rgb(192, 206, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 206, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 206, 214);  
box-shadow:4px 4px 4px 4px rgb(192, 206,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9471, 60.2041, 72.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 206, 214) }
```

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

```
.background{ background-color: rgb(192,  
206, 214) }
```

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