

# Converting Colors

XYZ(55.7024, 60.5958, 79.6030)

Have a look what the booklet for  
XYZ(55.7024, 60.5958, 79.6030)  
contains.

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# Color

**XYZ(55.7776, 60.6839,  
79.2944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8D0E0
RGB	184, 208, 224
RGB Percent	72%, 82%, 88%
CMY	0.2784, 0.1843, 0.1216
CMYK	0.18, 0.07, 0.00, 0.12
HSL	204°, 39%, 80%
HSV	204°, 18%, 88%
XYZ	55.7776, 60.6839, 79.2944
YIQ	202.6480, -19.4400, -0.1120

# Conversions

## Conversions Part 2

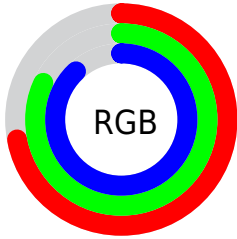
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 199, 224
Decimal	12112096
CIELab	82.21, -4.70, -10.61
CIELCh	82, 11.608, 246.107
Yxy	60.6839, 0.2849, 0.3100
Android (android.graphics.Color)	4290302176 (0xFFB8D0E0)
YUV	202.6480, 10.5265, -16.3543
Hunter-Lab	77.8999, -8.5158, -5.8215

# Details

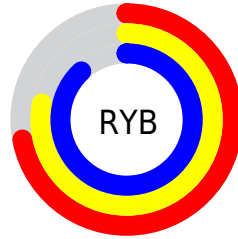
The XYZ color **55.7776, 60.6839, 79.2944** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.0470, 60.6166, 53.8841**, and the grayscale version is **56.4904, 59.4323, 64.7217**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **27.9230, 30.7216, 41.9943** is the 20% darker color. If you saturate the color by 10%, you get **48.7083, 53.8896, 78.3565**, and if you desaturate by 10%, it is **63.8236, 68.1680, 80.3159**.

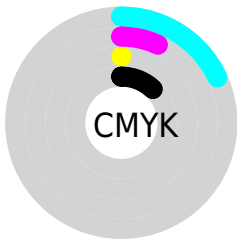
# Distribution



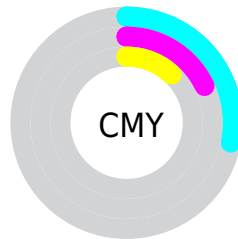
- Red (72%)
- Green (82%)
- Blue (88%)



- Red (72%)
- Yellow (78%)
- Blue (88%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (28%)
- Magenta (18%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7776, 60.6839, 79.2944 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 55.7776, 60.6839, 79.2944 by changing the saturation by 10% instead.



■ 55.7776, 60.6839,  
79.2944

■ 55.7776, 60.6839,  
79.2944

398.9415,  
427.1140, 512.1956

■ 40.2609, 43.9701,  
58.6151

■ 97.8210, 105.8211,  
134.1757

■ 27.9272, 30.6470,  
41.8854

125.0785,  
135.0133, 169.2147

■ 18.4109, 20.3302,  
28.6867

156.9803,  
169.1338, 209.8775

■ 11.3469, 12.6353,  
18.6004

193.8918,  
208.5670, 256.5825

■ 6.3697, 7.1779,  
11.2080

236.1783,  
253.6972, 309.7483

■ 3.1139, 3.5736,  
6.0910

284.2051,

■ 1.2143, 1.4380,

304.9088, 369.7934

2.8308

338.3377,  
362.5863, 437.1363

■ 0.1176, 0.2445,  
1.0089

■ 0.0000, 0.0000,  
0.0000

■ 55.7776, 60.6839,  
79.2944

■ 55.7776, 60.6839,  
79.2944

■ 48.7083, 53.8896,  
78.3565

■ 63.8236, 68.1680,  
80.3159

■ 42.5683, 47.7529,  
77.4957

■ 72.8799, 76.3576,  
81.4193

■ 37.3143, 42.2501,  
76.7104

■ 82.9856, 85.2769,  
82.6083

■ 32.8970, 37.3526,  
75.9979

■ 86.9970, 91.2464,  
83.5491

■ 29.2621, 33.0291,  
75.3550

■ 89.7561, 96.7647,  
84.4688

■ 26.3479, 29.2445,  
74.7781

■ 90.4547, 98.1619,  
84.7017

■ 24.0824, 25.9584,  
74.2632

■ 22.3663, 23.1158,  
73.8050

■ 22.0373, 22.5470,  
73.7125

# Harmonies

## Analogous

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



53.9289, 60.6839, 74.4105



55.7776, 60.6839, 79.2944



58.1845, 60.6839, 80.5288

# Triad

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



55.7776, 60.6839, 79.2944



62.5262, 60.6839, 64.6393



54.9269, 60.6839, 55.6922

# Complementary

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



55.7776, 60.6839, 79.2944



60.0470, 60.6166, 53.8841

# 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.



57.1749, 60.6839, 53.4623



55.7776, 60.6839, 79.2944



61.5974, 60.6839, 58.3854

# Square

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



55.7776, 60.6839, 79.2944



62.1263, 60.6839, 71.7329



59.6215, 60.6839, 54.4121



53.4477, 60.6839, 60.7217



# Rectangle

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



55.7776, 60.6839, 79.2944



59.7916, 60.6839, 79.0441



59.6215, 60.6839, 54.4121



55.6153, 60.6839, 54.6073

# Sweetspot

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



55.7794, 60.6864, 79.2958



88.9086, 94.4511, 108.1526



56.7716, 67.6418, 64.3012



18.8514, 20.0537, 23.1271



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

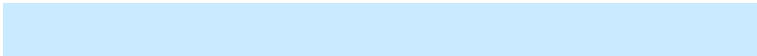


# Same Dimension

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



55.7794, 60.6864, 79.2958



71.5629, 78.3086, 105.9511



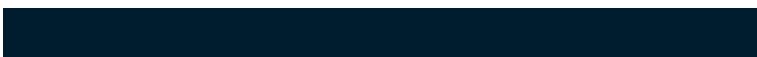
51.3489, 51.8255, 77.8189



13.6327, 14.6045, 17.4881



12.9425, 13.3545, 42.9439



0.9840, 1.0994, 3.0056



# Inverse Universe

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



59.2676, 54.6838, 67.1086



77.0232, 69.1600, 86.8181



64.8119, 70.1462, 55.4723



14.0508, 13.8380, 16.0378



20.4730, 10.2562, 14.4223

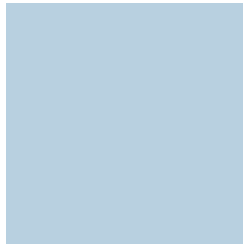


1.4629, 0.7284, 1.2306



# Previews

## White Background



This preview shows how the XYZ color 55.7776, 60.6839, 79.2944 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

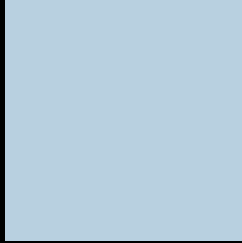
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.7776, 60.6839, 79.2944 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

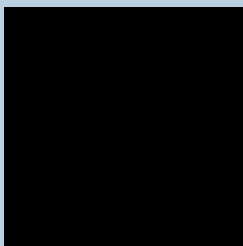
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

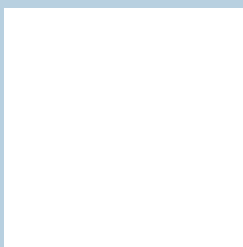
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.7776, 60.6839, 79.2944**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.7776, 60.6839, 79.2944.



This preview shows how white text looks on a background with the XYZ color 55.7776, 60.6839,



# 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

55.7776, 60.6839, 79.2944

### Protanopia

59.0357, 60.6288, 76.9976

### Deuteranopia

61.8824, 60.6340, 80.3935



## **Tritanopia**

55.7776, 60.6839, 79.2944

# Trichromacy



## Original Color

55.7776, 60.6839, 79.2944

## Protanomaly

57.7811, 60.6723, 77.7728

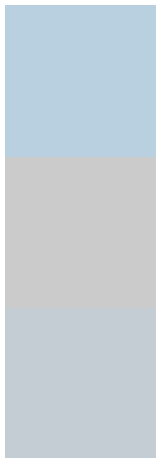
## Deuteranomaly

59.3397, 60.3738, 79.7599

## Tritanomaly

55.7776, 60.6839, 79.2944

# Monochromacy



## Original Color

55.7776, 60.6839, 79.2944

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.3541, 60.1016, 70.2586

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7776, 60.6839, 79.2944 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(184, 208, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 208, 224)  
}
```

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(184, 208, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 208, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7776, 60.6839, 79.2944 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(184, 208, 224) }
```



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

```
.border{ border-color:rgb(184, 208, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 208, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 208, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 208, 224);  
box-shadow:4px 4px 4px 4px rgb(184, 208,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7776, 60.6839, 79.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 208, 224) }
```

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

```
.background{ background-color: rgb(184,  
208, 224) }
```

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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