

# Converting Colors

XYZ(47.0317, 49.4011, 55.7628)

Have a look what the booklet for  
XYZ(47.0317, 49.4011, 55.7628)  
contains.

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# Color

**XYZ(47.0722, 49.5726,  
55.8027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9BBBE
RGB	185, 187, 190
RGB Percent	73%, 73%, 75%
CMY	0.2745, 0.2666, 0.2549
CMYK	0.03, 0.02, 0.00, 0.25
HSL	216°, 4%, 74%
HSV	216°, 3%, 75%
XYZ	47.0722, 49.5726, 55.8027
YIQ	186.7440, -2.1550, 0.5090

# Conversions

## Conversions Part 2

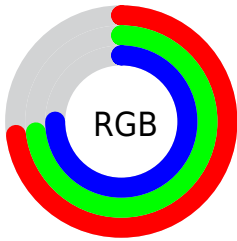
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 186, 190
Decimal	12172222
CIE Lab	75.81, -0.13, -1.77
CIE LCh	76, 1.770, 265.911
Yxy	49.5726, 0.3088, 0.3252
Android (android.graphics.Color)	4290362302 (0xFFB9BBBE)
YUV	186.7440, 1.6052, -1.5295
Hunter-Lab	70.4078, -3.8748, 2.2943

# Details

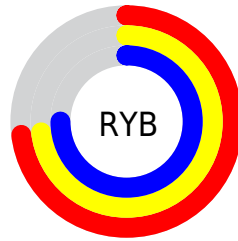
The XYZ color **47.0722, 49.5726, 55.8027** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9756, 50.4160, 53.1025**, and the grayscale version is **47.0831, 49.5351, 53.9438**.

A 20% lighter version of the original color is **84.9608, 89.4558, 99.9776**, and **22.5562, 23.7619, 27.0646** is the 20% darker color. If you saturate the color by 10%, you get **40.4705, 42.7247, 54.8296**, and if you desaturate by 10%, it is **54.4809, 57.1238, 56.8705**.

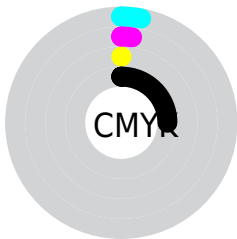
# Distribution



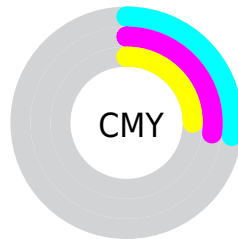
- Red (73%)
- Green (73%)
- Blue (75%)



- Red (73%)
- Yellow (73%)
- Blue (75%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (27%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0722, 49.5726, 55.8027 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 47.0722, 49.5726, 55.8027 by changing the saturation by 10% instead.



■ 47.0722, 49.5726,  
55.8027

■ 47.0722, 49.5726,  
55.8027

365.7467,  
384.9922, 426.3149

■ 33.3009, 35.0739,  
39.6418

■ 85.0395, 89.5413,  
100.1990

■ 22.5174, 23.7198,  
26.9477

109.9662,  
115.7801, 129.2714

■ 14.3563, 15.1259,  
17.3019

139.3421,  
146.7011, 163.4848

■ 8.4523, 8.9078,  
10.2857

173.5325,  
182.6886, 203.2577

■ 4.4399, 4.6811,  
5.4807

212.9028,  
224.1271, 249.0086

■ 1.9539, 2.0614,  
2.4684

257.8184,

■ 0.6079, 0.6428,

271.4009, 301.1561

0.8233

308.6446,  
324.8945, 360.1187

■ 0.0000, 0.0000,  
0.0000

■ 47.0722, 49.5726,  
55.8027

■ 47.0722, 49.5726,  
55.8027

■ 40.4705, 42.7247,  
54.8296

■ 54.4809, 57.1238,  
56.8705

■ 34.6431, 36.5526,  
53.9454

■ 62.7195, 65.3923,  
58.0323

■ 29.5610, 31.0358,  
53.1484

■ 71.8152, 74.3996,  
59.2914

■ 25.1920, 26.1507,  
52.4358

■ 79.5496, 83.0081,  
60.5454

■ 21.5011, 21.8718,  
51.8044

■ 82.8706, 89.6501,  
61.6524

■ 18.4503, 18.1720,  
51.2511

■ 86.2944, 96.4978,  
62.7937

■ 15.9973, 15.0212,  
50.7722

■ 14.0943, 12.3865,  
50.3639

■ 12.6847, 10.2295,  
50.0219

# Harmonies

## Analogous

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



46.7638, 49.5726, 55.4898



47.0722, 49.5726, 55.8027



47.3941, 49.5726, 55.6215

# Triad

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



47.0722, 49.5726, 55.8027



47.6883, 49.5726, 53.1886



46.5955, 49.5726, 52.9675

# Complementary

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



47.0722, 49.5726, 55.8027



47.9756, 50.4160, 53.1025

# 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.



46.8415, 49.5726, 52.3636



47.0722, 49.5726, 55.8027



47.4726, 49.5726, 52.4902

# Square

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



47.0722, 49.5726, 55.8027



47.7508, 49.5726, 54.1054



47.1624, 49.5726, 52.1899



46.4894, 49.5726, 53.8471



# Rectangle

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



47.0722, 49.5726, 55.8027



47.5729, 49.5726, 55.2460



47.1624, 49.5726, 52.1899



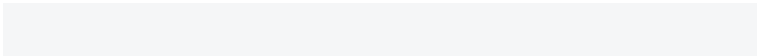
46.6645, 49.5726, 52.7259

# Sweetspot

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



47.0736, 49.5747, 55.8038



87.3711, 91.9581, 101.4239



47.4900, 50.7693, 54.8271



19.2003, 20.2079, 22.2738



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

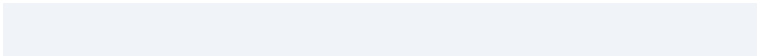


# Same Dimension

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



47.0736, 49.5747, 55.8038



84.7750, 89.2924, 101.0462



46.7524, 48.7828, 55.6679



10.1436, 10.6866, 12.2003



7.9759, 6.0635, 33.1429



0.3767, 0.3661, 1.3197



# Inverse Universe

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



47.5549, 49.2340, 54.0128



85.7835, 88.5817, 97.2930



48.3025, 51.2241, 53.2413



10.2926, 10.5824, 11.6454



15.0266, 7.6418, 5.4338

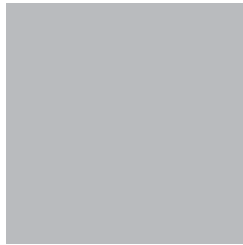


0.6210, 0.3123, 0.3837



# Previews

## White Background



This preview shows how the XYZ color 47.0722, 49.5726, 55.8027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

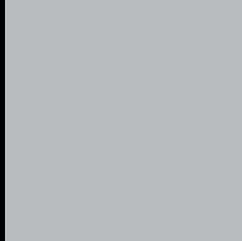
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0722, 49.5726, 55.8027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

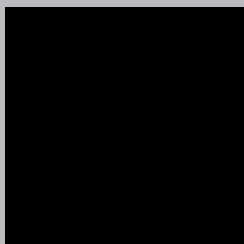
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.0722, 49.5726, 55.8027**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0722, 49.5726, 55.8027.



This preview shows how white text looks on a background with the XYZ color 47.0722, 49.5726,



# 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

47.0722, 49.5726, 55.8027

### Protanopia

47.7305, 49.6108, 55.2043

### Deuteranopia

50.5564, 49.5058, 56.1812



## Tritanopia

48.2678, 49.4328, 61.6411

# Trichromacy



## Original Color

47.0722, 49.5726, 55.8027

## Protanomaly

47.4833, 49.4833, 55.1927

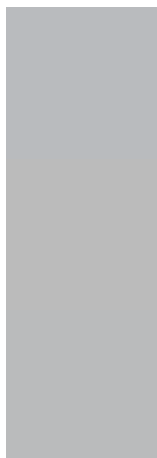
## Deuteranomaly

49.1024, 49.3643, 56.2305

## Tritanomaly

47.7724, 49.5424, 59.2693

# Monochromacy



## Original Color

47.0722, 49.5726, 55.8027

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

47.0971, 49.6106, 54.6705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0722, 49.5726, 55.8027 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(185, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(185, 187, 190)  
}
```

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(185, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 187, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0722, 49.5726, 55.8027 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".

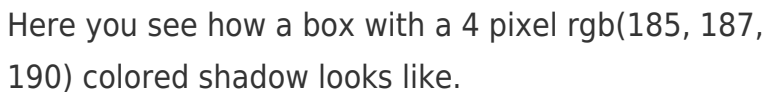
```
.border, #border, table{ border:4px solid rgb(185, 187, 190) }
```



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

```
.border{ border-color:rgb(185, 187, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 187, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 187, 190); box-shadow:4px 4px 4px 4px rgb(185, 187, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0722, 49.5726, 55.8027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 187, 190) }
```

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

```
.background{ background-color: rgb(185,  
187, 190) }
```

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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