

# Converting Colors

XYZ(47.1576, 49.4034, 55.0102)

Have a look what the booklet for  
XYZ(47.1576, 49.4034, 55.0102)  
contains.

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# Color

**XYZ(47.2377, 49.3567,  
55.1812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBBABD
RGB	187, 186, 189
RGB Percent	73%, 73%, 74%
CMY	0.2667, 0.2706, 0.2588
CMYK	0.01, 0.02, 0.00, 0.26
HSL	260°, 2%, 74%
HSV	260°, 2%, 74%
XYZ	47.2377, 49.3567, 55.1812
YIQ	186.6410, -0.3670, 1.1450

# Conversions

## Conversions Part 2

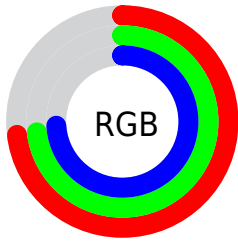
Format	Color
R <sub>YB</sub>	187, 186, 189
Decimal	12303037
CIE Lab	75.67, 0.91, -1.40
CIE LCh	76, 1.670, 303.097
Yxy	49.3567, 0.3112, 0.3252
Android (android.graphics.Color)	4290493117 (0xFFBBBABD)
YUV	186.6410, 1.1630, 0.3148
Hunter-Lab	70.2543, -2.9250, 2.6087

# Details

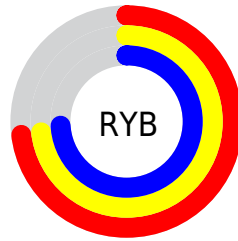
The XYZ color **47.2377, 49.3567, 55.1812** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.8014, 50.6330, 53.7106**, and the grayscale version is **47.0269, 49.4759, 53.8793**.

A 20% lighter version of the original color is **85.1957, 89.1515, 99.1039**, and **22.6630, 23.6210, 26.6574** is the 20% darker color. If you saturate the color by 10%, you get **40.5653, 40.3931, 53.8035**, and if you desaturate by 10%, it is **54.7107, 59.5176, 56.7493**.

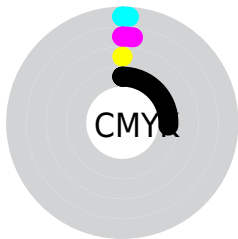
# Distribution



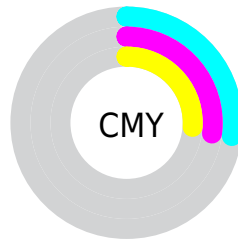
- Red (73%)
- Green (73%)
- Blue (74%)



- Red (73%)
- Yellow (73%)
- Blue (74%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)



- Cyan (27%)
- Magenta (27%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2377, 49.3567, 55.1812 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 47.2377, 49.3567, 55.1812 by changing the saturation by 10% instead.



■ 47.2377, 49.3567,  
55.1812

■ 47.2377, 49.3567,  
55.1812

366.3956,  
384.1449, 423.8997

■ 33.4323, 34.9025,  
39.1472

■ 85.2849, 89.2210,  
99.2802

■ 22.6187, 23.5878,  
26.5656

110.2575,  
115.3999, 128.1823

■ 14.4313, 15.0281,  
17.0177

139.6831,  
146.2559, 162.2109

■ 8.5050, 8.8391,  
10.0850

173.9273,  
182.1732, 201.7845

■ 4.4742, 4.6364,  
5.3490

213.3552,  
223.5364, 247.3216

■ 1.9738, 2.0355,  
2.3912

258.3324,

■ 0.6192, 0.6280,

270.7298, 299.2409

0.7816

309.2241,  
324.1379, 357.9607

■ 0.0000, 0.0000,  
0.0000

■ 47.2377, 49.3567,  
55.1812

■ 47.2377, 49.3567,  
55.1812

■ 40.5653, 40.3931,  
53.8035

■ 54.7107, 59.5176,  
56.7493

■ 34.6618, 32.5758,  
52.6057

■ 63.0060, 70.9117,  
58.5114

■ 29.4994, 25.8595,  
51.5814

■ 72.1501, 83.5811,  
60.4749

■ 25.0473, 20.1935,  
50.7224

■ 80.0231, 93.2774,  
61.9315

■ 21.2721, 15.5228,  
50.0199

■ 84.3949, 95.5311,  
62.1361

■ 18.1377, 11.7876,  
49.4641

■ 86.1854, 96.4542,  
62.2199

■ 15.6042, 8.9210,  
49.0443

■ 13.6268, 6.8475,  
48.7483

■ 12.1533, 5.4771,  
48.5615

# Harmonies

## Analogous

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



46.9442, 49.3567, 55.4605



47.2377, 49.3567, 55.1812



47.4446, 49.3567, 54.5157

# Triad

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



47.2377, 49.3567, 55.1812



47.1818, 49.3567, 52.2358



46.3205, 49.3567, 53.8332

# Complementary

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



47.2377, 49.3567, 55.1812



47.8014, 50.6330, 53.7106

# 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.



46.3835, 49.3567, 52.9737



47.2377, 49.3567, 55.1812



46.8799, 49.3567, 52.0575

# Square

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



47.2377, 49.3567, 55.1812



47.4123, 49.3567, 52.8160



46.5879, 49.3567, 52.3262



46.4154, 49.3567, 54.6769



# Rectangle

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



47.2377, 49.3567, 55.1812



47.5052, 49.3567, 53.9461



46.5879, 49.3567, 52.3262



46.3239, 49.3567, 53.5365

# Sweetspot

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



47.2391, 49.3588, 55.1823



86.6293, 91.1408, 99.2523



47.4306, 50.1026, 55.3158



18.6292, 19.5994, 21.3438



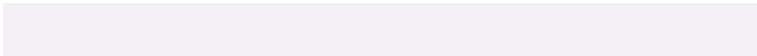
90.7827, 95.5105, 104.0109

# Same Dimension

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



47.2391, 49.3588, 55.1823



84.0404, 87.6386, 98.7128



47.5958, 49.5427, 55.1990



10.4269, 10.8811, 12.2229



7.6267, 3.2178, 32.6120



0.3695, 0.1625, 1.2807

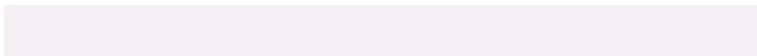


# Inverse Universe

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



47.6240, 49.5697, 54.6374



84.9219, 88.1216, 97.4632



47.4458, 50.4497, 53.6940



10.5274, 10.9362, 12.0805



16.6966, 8.3098, 14.2277



0.6832, 0.3372, 0.7108



# Previews

## White Background



This preview shows how the XYZ color 47.2377, 49.3567, 55.1812 looks on a white background.

## Color Contrast Check

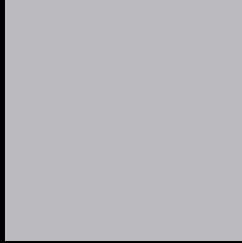
Large Text (above 18pt) WCAG AA × Fail

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 47.2377, 49.3567, 55.1812 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

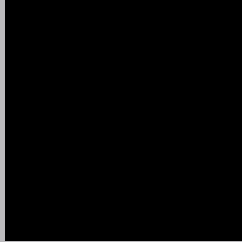
Any Text WCAG AAA ✓ Pass

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

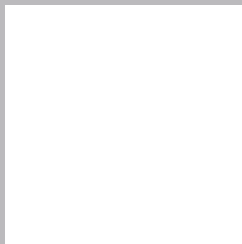


**XYZ 47.2377, 49.3567, 55.1812**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2377, 49.3567, 55.1812.



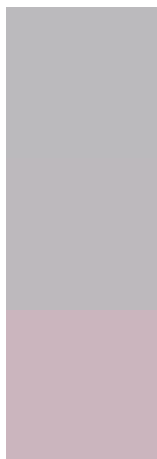
This preview shows how white text looks on a background with the XYZ color 47.2377, 49.3567,



# 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

47.2377, 49.3567, 55.1812

### Protanopia

47.5205, 49.1909, 55.1343

### Deuteranopia

50.4467, 49.4620, 55.6035



## Tritanopia

48.4356, 49.2233, 60.9811

# Trichromacy



## Original Color

47.2377, 49.3567, 55.1812

## Protanomaly

47.2733, 49.0634, 55.1227

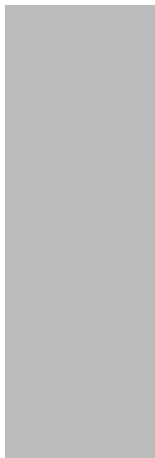
## Deuteranomaly

49.2537, 49.4550, 55.6650

## Tritanomaly

47.9383, 49.3294, 58.6247

# Monochromacy



## Original Color

47.2377, 49.3567, 55.1812

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

47.3409, 49.7363, 54.6819

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2377, 49.3567, 55.1812 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(187, 186, 189) looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 189)  
}
```

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(187, 186, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2377, 49.3567, 55.1812 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(187, 186, 189) }
```

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

```
.border{ border-color:rgb(187, 186, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 186, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 186, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 186, 189);  
box-shadow:4px 4px 4px 4px rgb(187, 186,  
189) }
```



# Background

The CSS property to change the background color of an element to XYZ 47.2377, 49.3567, 55.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 189) }
```

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

```
.background{ background-color: rgb(187,  
186, 189) }
```

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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