

# Converting Colors

XYZ(68.7356, 58.6384, 48.3936)

Have a look what the booklet for  
XYZ(68.7356, 58.6384, 48.3936)  
contains.

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# Color

**XYZ(65.2991, 56.9977,  
48.1175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB4AF
RGB	255, 180, 175
RGB Percent	100%, 71%, 69%
CMY	0.0000, 0.2941, 0.3137
CMYK	0.00, 0.29, 0.31, 0.00
HSL	4°, 100%, 84%
HSV	4°, 31%, 100%
XYZ	65.2991, 56.9977, 48.1175
YIQ	201.8550, 46.3050, 14.3450

# Conversions

## Conversions Part 2

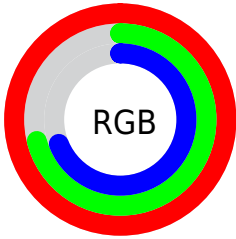
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 180, 175
Decimal	16757935
CIE Lab	80.18, 26.63, 13.49
CIE LCh	80, 29.849, 26.859
Yxy	56.9977, 0.3832, 0.3345
Android (android.graphics.Color)	4294948015 (0xFFFFB4AF)
YUV	201.8550, -13.2395, 46.6082
Hunter-Lab	75.4968, 22.2697, 15.0596

# Details

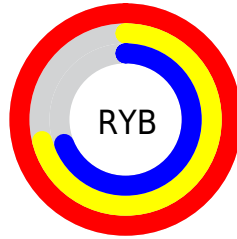
The XYZ color **65.2991, 56.9977, 48.1175** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.9135, 84.7021, 107.2720**, and the grayscale version is **56.1097, 59.0318, 64.2856**.

A 20% lighter version of the original color is **85.6593, 87.0204, 87.8832**, and **34.1905, 28.4791, 22.4339** is the 20% darker color. If you saturate the color by 10%, you get **58.6106, 47.2572, 34.6766**, and if you desaturate by 10%, it is **73.2958, 68.5972, 64.3288**.

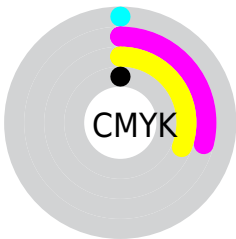
# Distribution



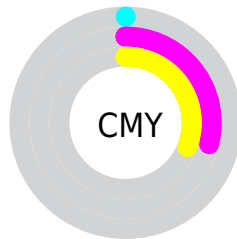
- Red (100%)
- Green (71%)
- Blue (69%)



- Red (100%)
- Yellow (71%)
- Blue (69%)



- Cyan (0%)
- Magenta (29%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (29%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2991, 56.9977, 48.1175 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 65.2991, 56.9977, 48.1175 by changing the saturation by 10% instead.




 65.2991, 56.9977,  
48.1175

 65.2991, 56.9977,  
48.1175


433.3943,  
413.4407, 395.7798

 47.9693, 41.0034,  
33.5593


 111.5431,  
100.4618, 88.7467

 34.0137, 28.3217,  
22.2806


141.1879,  
128.7004, 115.6548

 23.0671, 18.5683,  
13.8630


175.6685,  
161.7893, 147.5165

 14.7640, 11.3588,  
7.8878

215.3501,  
200.1127, 184.7505

 8.7392, 6.3087,  
3.9365

260.5981,  
244.0552, 227.7753

 4.6272, 3.0337,  
1.5906

311.7779,

 2.0627, 1.1493,

294.0011, 277.0095

0.2841

369.2548,  
350.3348, 332.8714

0.6688, 0.0197,  
0.0000

0.0000, 0.0000,  
0.0000

65.2991, 56.9977,  
48.1175

65.2991, 56.9977,  
48.1175

58.6106, 47.2572,  
34.6766

73.2958, 68.5972,  
64.3288

53.1563, 39.2714,  
23.8478

82.6604, 82.1366,  
83.4498

48.8619, 32.9384,  
15.4622

93.4544, 97.7020,  
105.6146

45.6432, 28.1422,  
9.3299

95.0500, 100.0000,  
108.9000

■ 43.4046, 24.7520,  
5.2326

■ 42.0334, 22.6150,  
2.9089

■ 41.4246, 21.6292,  
1.9915

# Harmonies

## Analogous

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



66.7191, 56.9977, 63.9153



65.2991, 56.9977, 48.1175



60.8272, 56.9977, 38.0160

# Triad

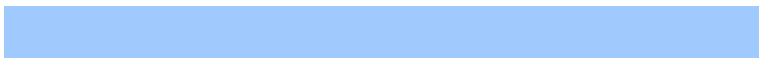
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.2991, 56.9977, 48.1175



44.9551, 56.9977, 45.4828



53.5359, 56.9977, 101.8988

# Complementary

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



65.2991, 56.9977, 48.1175



69.9135, 84.7021, 107.2720

# 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.



48.0256, 56.9977, 94.5646



65.2991, 56.9977, 48.1175



43.3101, 56.9977, 60.2425

# Square

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



65.2991, 56.9977, 48.1175



49.0578, 56.9977, 36.7069



44.3913, 56.9977, 78.4668



59.6354, 56.9977, 97.0171



# Rectangle

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



65.2991, 56.9977, 48.1175



56.8788, 56.9977, 34.8114



44.3913, 56.9977, 78.4668



51.5575, 56.9977, 100.7518

# Sweetspot

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



65.3006, 57.0004, 48.1186



85.0893, 85.6424, 88.4271



73.9828, 58.8855, 98.7336



17.8917, 17.8678, 18.2692



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.



65.3006, 57.0004, 48.1186



60.7248, 50.3413, 38.9092



74.3097, 75.0186, 51.1217



18.1006, 18.1693, 18.6974



21.6798, 11.3709, 1.0522



2.1414, 1.1682, 0.1126



# Inverse Universe

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



69.9135, 84.7021, 107.2720



66.0265, 82.2119, 106.9963



59.0240, 62.9230, 103.6422



18.4518, 20.2752, 23.1909



25.6086, 36.1268, 55.0580



2.5217, 3.5741, 5.3702



# Previews

## White Background



This preview shows how the XYZ color 65.2991, 56.9977, 48.1175 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 65.2991, 56.9977, 48.1175 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 65.2991, 56.9977, 48.1175

## Background



This preview shows how black text looks on a background with the XYZ color 65.2991, 56.9977, 48.1175.



This preview shows how white text looks on a background with the XYZ color 65.2991, 56.9977,

48.1175.

# 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

65.2991, 56.9977, 48.1175

### Protanopia

54.6340, 57.4714, 54.1125

### Deuteranopia

58.3874, 57.2104, 47.5005



## Tritanopia

66.5644, 56.8624, 56.7574

# Trichromacy



## Original Color

65.2991, 56.9977, 48.1175

## Protanomaly

57.9306, 56.8828, 51.6423

## Deuteranomaly

60.8831, 57.1996, 47.8761

## Tritanomaly

66.1171, 57.0030, 53.4169

# Monochromacy



## Original Color

65.2991, 56.9977, 48.1175

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.6250, 57.7615, 57.9284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.2991, 56.9977, 48.1175 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(255, 180, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 175)  
}
```

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(255, 180, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 65.2991, 56.9977, 48.1175 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(255, 180, 175) }
```



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

```
.border{ border-color:rgb(255, 180, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.2991, 56.9977, 48.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 175) }
```

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

```
.background{ background-color: rgb(255,  
180, 175) }
```

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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