

# Converting Colors

XYZ(91.7013, 70.4888, 52.8545)

Have a look what the booklet for  
XYZ(91.7013, 70.4888, 52.8545)  
contains.

<b>XYZ(66.0048, 57.2799, 51.8333)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(66.0048, 57.2799,  
51.8333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB4B6
RGB	255, 180, 182
RGB Percent	100%, 71%, 71%
CMY	0.0000, 0.2941, 0.2863
CMYK	0.00, 0.29, 0.29, 0.00
HSL	358°, 100%, 85%
HSV	358°, 29%, 100%
XYZ	66.0048, 57.2799, 51.8333
YIQ	202.6530, 44.0580, 16.5220

# Conversions

## Conversions Part 2

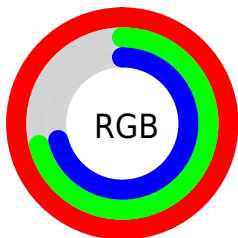
Format	Color
R <sub>Y</sub> B	255, 180, 182
Decimal	16757942
CIE Lab	80.34, 27.53, 9.93
CIE LCh	80, 29.267, 19.843
Yxy	57.2799, 0.3769, 0.3271
Android (android.graphics.Color)	4294948022 (0xFFFFB4B6)
YUV	202.6530, -10.1819, 45.9083
Hunter-Lab	75.6835, 23.2267, 12.3725

# Details

The XYZ color **66.0048, 57.2799, 51.8333** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.3143, 88.3162, 106.1680**, and the grayscale version is **56.5909, 59.5380, 64.8369**.

A 20% lighter version of the original color is **86.6681, 87.4240, 93.1955**, and **34.5778, 28.6340, 24.4734** is the 20% darker color. If you saturate the color by 10%, you get **58.9805, 46.9792, 37.9381**, and if you desaturate by 10%, it is **74.4335, 69.6616, 68.4411**.

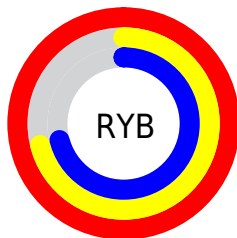
# Distribution



Red (100%)

Green (71%)

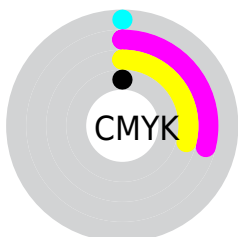
Blue (71%)



Red (100%)

Yellow (71%)

Blue (71%)

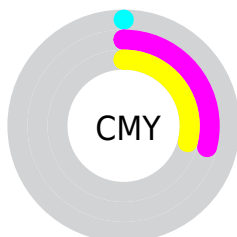


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0048, 57.2799, 51.8333 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 66.0048, 57.2799, 51.8333 by changing the saturation by 10% instead.





 66.0048, 57.2799,  
51.8333

 66.0048, 57.2799,  
51.8333


435.8824,  
414.4973, 410.7313

 48.5440, 41.2300,  
36.4909


 112.5509,  
100.8735, 94.3094

 34.4709, 28.4989,  
24.5209


142.3670,  
129.1860, 122.2802

 23.4202, 18.7020,  
15.5047


177.0321,  
162.3548, 155.2976

 15.0265, 11.4552,  
9.0238

216.9118,  
200.7643, 193.7800

 8.9244, 6.3739,  
4.6597

262.3713,  
244.7989, 238.1460

 4.7486, 3.0737,  
1.9938

313.7760,

 2.1338, 1.1703,

294.8430, 288.8142

0.5515

371.4913,  
351.2810, 346.2032

■ 0.7075, 0.0373,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.0048, 57.2799,  
51.8333

■ 66.0048, 57.2799,  
51.8333

■ 58.9805, 46.9792,  
37.9381

■ 74.4335, 69.6616,  
68.4411

■ 53.2805, 38.6379,  
26.6082

■ 84.3327, 84.2214,  
87.8911

■ 48.8229, 32.1344,  
17.6877

95.0500, 100.0000,  
108.9000

■ 45.5152, 27.3298,  
11.0023

■ 43.2517, 24.0658,  
6.3543

■ 41.9076, 22.1544,  
3.5116

■ 41.3015, 21.3108,  
2.1735

■ 41.2772, 21.2749,  
2.1257

# Harmonies

## Analogous

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



66.5784, 57.2799, 68.3648



66.0048, 57.2799, 51.8333



62.2091, 57.2799, 40.4119

# Triad

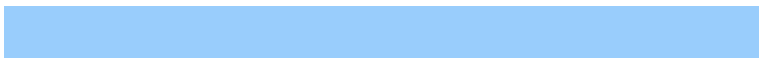
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0048, 57.2799, 51.8333



46.1102, 57.2799, 43.4314



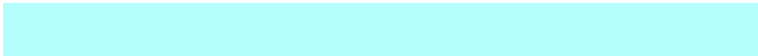
52.4378, 57.2799, 100.7739

# Complementary

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



66.0048, 57.2799, 51.8333



72.3143, 88.3162, 106.1680

# 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.



47.3514, 57.2799, 91.1107



66.0048, 57.2799, 51.8333



43.8795, 57.2799, 56.7327

# Square

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



66.0048, 57.2799, 51.8333



50.6281, 57.2799, 36.2128



44.3166, 57.2799, 74.2415



58.4445, 57.2799, 98.8032



# Rectangle

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



66.0048, 57.2799, 51.8333



58.5069, 57.2799, 36.2559



44.3166, 57.2799, 74.2415



50.5715, 57.2799, 98.7190

# Sweetspot

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



66.0062, 57.2825, 51.8344



84.7702, 84.8652, 88.7495



74.6988, 60.6540, 102.3781



17.8139, 17.6785, 18.3477



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.



66.0062, 57.2825, 51.8344



61.9103, 51.2734, 43.7403



73.7802, 73.1581, 53.4157



18.0290, 17.9949, 18.7697



21.5767, 11.1200, 1.1553



2.1074, 1.0853, 0.1471



# Inverse Universe

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



66.0062, 57.2825, 51.8344



61.9103, 51.2734, 43.7403



62.4678, 68.1120, 104.4623



18.0290, 17.9949, 18.7697



21.5767, 11.1200, 1.1553



2.1074, 1.0853, 0.1471



# Previews

## White Background



This preview shows how the XYZ color 66.0048, 57.2799, 51.8333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

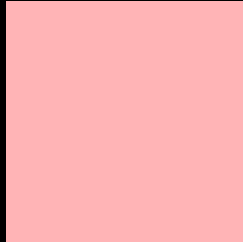
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.0048, 57.2799, 51.8333 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 66.0048, 57.2799, 51.8333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.0048, 57.2799, 51.8333.



This preview shows how white text looks on a background with the XYZ color 66.0048, 57.2799,

51.8333.

# 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

66.0048, 57.2799, 51.8333

### Protanopia

55.1147, 57.6318, 58.0884

### Deuteranopia

58.6722, 57.6040, 51.2063



## Tritanopia

66.8745, 57.3060, 57.4057

# Trichromacy



## Original Color

66.0048, 57.2799, 51.8333

## Protanomaly

58.3582, 57.0181, 55.5067

## Deuteranomaly

61.2488, 57.3072, 51.5493

## Tritanomaly

66.4372, 57.1310, 55.1027

# Monochromacy



## Original Color

66.0048, 57.2799, 51.8333

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

59.4896, 58.4999, 59.7859

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.0048, 57.2799, 51.8333 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 66.0048, 57.2799, 51.8333 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, 182) }
```



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

```
.border{ border-color:rgb(255, 180, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.0048, 57.2799, 51.8333 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, 182) }
```

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

```
.background{ background-color: rgb(255,  
180, 182) }
```

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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