

# Converting Colors

XYZ(77.7620, 65.3853, 53.5883)

Have a look what the booklet for  
XYZ(77.7620, 65.3853, 53.5883)  
contains.

<b>XYZ(67.5576, 60.2195, 52.8626)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(67.5576, 60.2195,  
52.8626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBBB7
RGB	255, 187, 183
RGB Percent	100%, 73%, 72%
CMY	0.0000, 0.2666, 0.2823
CMYK	0.00, 0.27, 0.28, 0.00
HSL	3°, 100%, 86%
HSV	3°, 28%, 100%
XYZ	67.5576, 60.2195, 52.8626
YIQ	206.8760, 41.8120, 13.1720

# Conversions

## Conversions Part 2

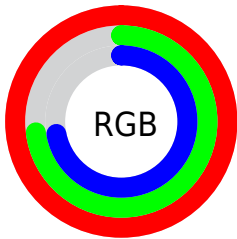
Format	Color
R <sub>Y</sub> B	255, 187, 183
Decimal	16759735
CIE Lab	81.96, 23.99, 11.70
CIE LCh	82, 26.691, 26.002
Yxy	60.2195, 0.3740, 0.3334
Android (android.graphics.Color)	4294949815 (0xFFFFBBB7)
YUV	206.8760, -11.7709, 42.2047
Hunter-Lab	77.6012, 19.5953, 13.9320

# Details

The XYZ color **67.5576, 60.2195, 52.8626** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.0744, 86.2788, 107.4625**, and the grayscale version is **59.2841, 62.3715, 67.9226**.

A 20% lighter version of the original color is **88.8706, 91.5932, 94.6566**, and **35.4428, 30.2571, 25.0913** is the 20% darker color. If you saturate the color by 10%, you get **60.4525, 49.8791, 38.5646**, and if you desaturate by 10%, it is **76.0031, 72.4710, 69.9809**.

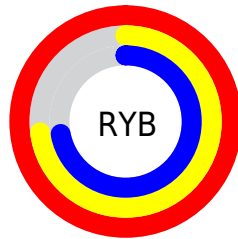
# Distribution



Red (100%)

Green (73%)

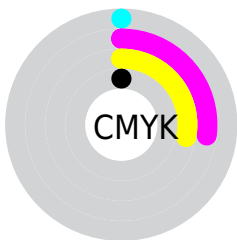
Blue (72%)



Red (100%)

Yellow (73%)

Blue (72%)

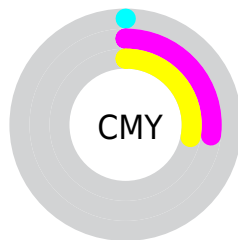


Cyan (0%)

Magenta (27%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5576, 60.2195, 52.8626 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 67.5576, 60.2195, 52.8626 by changing the saturation by 10% instead.





 67.5576, 60.2195,  
52.8626

 67.5576, 60.2195,  
52.8626

441.3283,  
425.4064, 414.8091

 49.8103, 43.5956,  
37.3061


 114.7644,  
105.1480, 95.8417

 35.4798, 30.3527,  
25.1470

144.9546,  
134.2214, 124.1013

 24.2010, 20.1064,  
15.9666

180.0232,  
168.2134, 157.4324

 15.6083, 12.4724,  
9.3464

220.3354,  
207.5084, 196.2536

 9.3365, 7.0663,  
4.8679

266.2567,  
252.4908, 240.9833

 5.0202, 3.5036,  
2.1126

318.1523,

 2.2940, 1.4000,

303.5450, 292.0401

0.6232

376.3878,  
361.0554, 349.8425

0.7916, 0.2167,  
0.0000

0.0000, 0.0000,  
0.0000

67.5576, 60.2195,  
52.8626

67.5576, 60.2195,  
52.8626

60.4525, 49.8791,  
38.5646

76.0031, 72.4710,  
69.9809

54.6149, 41.3458,  
26.9323

85.8483, 86.7143,  
90.0558

49.9712, 34.5182,  
17.8017

95.0500, 100.0000,  
108.9000

46.4390, 29.2816,  
10.9892

■ 43.9250, 25.5074,  
6.2861

■ 42.3208, 23.0466,  
3.4463

■ 41.4881, 21.7167,  
2.1343

■ 41.3995, 21.5790,  
1.9832

# Harmonies

## Analogous

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



68.7623, 60.2195, 67.7602



67.5576, 60.2195, 52.8626



63.5235, 60.2195, 43.0252

# Triad

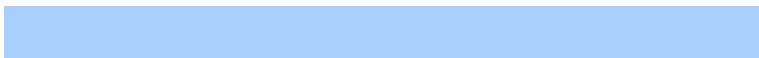
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5576, 60.2195, 52.8626



48.7011, 60.2195, 49.6769



56.4834, 60.2195, 101.7262

# Complementary

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



67.5576, 60.2195, 52.8626



72.0744, 86.2788, 107.4625

# 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.



51.3793, 60.2195, 94.8660



67.5576, 60.2195, 52.8626



47.0770, 60.2195, 63.4252

# Square

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



67.5576, 60.2195, 52.8626



52.6088, 60.2195, 41.4092



48.0247, 60.2195, 80.1635



62.1287, 60.2195, 97.6658



# Rectangle

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



67.5576, 60.2195, 52.8626



59.9028, 60.2195, 39.7939



48.0247, 60.2195, 80.1635



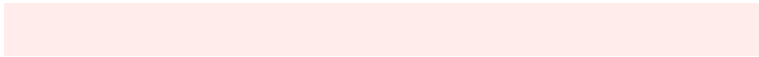
54.6511, 60.2195, 100.5946

# Sweetspot

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



67.5590, 60.2222, 52.8638



86.0968, 87.0733, 90.5636



75.6495, 62.1178, 99.6006



18.0904, 18.1490, 18.6940



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.



67.5590, 60.2222, 52.8638



63.3030, 54.0325, 44.2854



76.0685, 77.2411, 55.7003



18.0904, 18.1490, 18.6940



21.6643, 11.3399, 1.0470



2.1366, 1.1586, 0.1110



# Inverse Universe

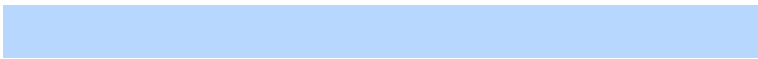
The Inverse Universe completely reimagines the original color for something new.



72.0744, 86.2788, 107.4625



68.5032, 84.0593, 107.2223



61.9814, 66.0927, 104.0981



18.4632, 20.2980, 23.1947



25.8766, 36.6628, 55.1474



2.5449, 3.6205, 5.3780



# Previews

## White Background



This preview shows how the XYZ color 67.5576, 60.2195, 52.8626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

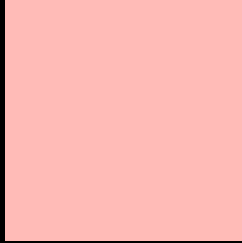
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.5576, 60.2195, 52.8626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

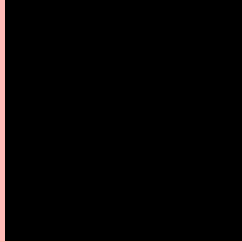
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.5576, 60.2195, 52.8626**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.5576, 60.2195, 52.8626.



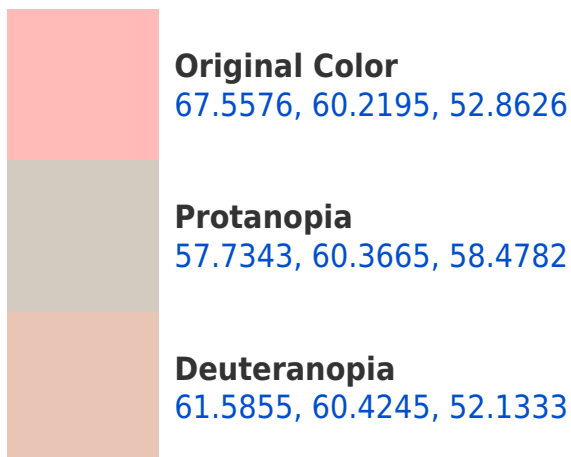
This preview shows how white text looks on a background with the XYZ color 67.5576, 60.2195,

52.8626.

# 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





## Tritanopia

68.8978, 60.0814, 61.9984

# Trichromacy



## Original Color

67.5576, 60.2195, 52.8626

## Protanomaly

60.8301, 59.9375, 56.5071

## Deuteranomaly

63.4486, 60.0426, 52.5012

## Tritanomaly

68.4245, 60.2281, 58.4709

# Monochromacy



## Original Color

67.5576, 60.2195, 52.8626

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

61.5878, 61.2331, 61.9992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5576, 60.2195, 52.8626 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, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 183)  
}
```

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, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5576, 60.2195, 52.8626 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, 187, 183) }
```



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

```
.border{ border-color:rgb(255, 187, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5576, 60.2195, 52.8626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 183) }
```

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

```
.background{ background-color: rgb(255,  
187, 183) }
```

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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