

# Converting Colors

XYZ(68.1621, 60.2651, 46.3671)

Have a look what the booklet for  
XYZ(68.1621, 60.2651, 46.3671)  
contains.

<b>XYZ(66.1496, 59.3181, 46.4912)</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(66.1496, 59.3181,  
46.4912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAAB
RGB	255, 186, 171
RGB Percent	100%, 73%, 67%
CMY	0.0000, 0.2706, 0.3294
CMYK	0.00, 0.27, 0.33, 0.00
HSL	11°, 100%, 84%
HSV	11°, 33%, 100%
XYZ	66.1496, 59.3181, 46.4912
YIQ	204.9210, 45.9390, 9.9630

# Conversions

## Conversions Part 2

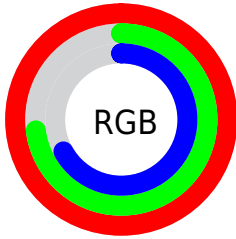
Format	Color
R <sub>Y</sub> B	255, 189, 171
Decimal	16759467
CIE Lab	81.47, 22.99, 17.44
CIE LCh	81, 28.854, 37.193
Yxy	59.3181, 0.3847, 0.3450
Android (android.graphics.Color)	4294949547 (0xFFFFBAAB)
YUV	204.9210, -16.7231, 43.9193
Hunter-Lab	77.0182, 18.5285, 18.1230

# Details

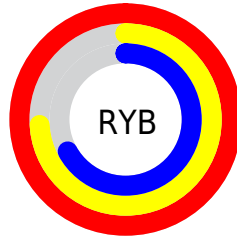
The XYZ color **66.1496, 59.3181, 46.4912** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.0035, 78.1953, 106.2222**, and the grayscale version is **58.0620, 61.0857, 66.5223**.

A 20% lighter version of the original color is **86.7196, 90.2552, 84.8019**, and **34.6070, 29.7048, 21.3624** is the 20% darker color. If you saturate the color by 10%, you get **59.8559, 50.2524, 33.5362**, and if you desaturate by 10%, it is **73.5620, 69.8705, 62.1336**.

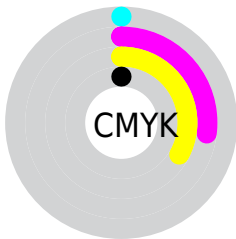
# Distribution



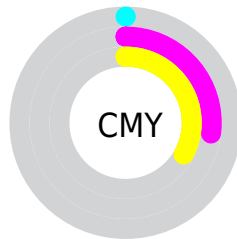
- Red (100%)
- Green (73%)
- Blue (67%)



- Red (100%)
- Yellow (74%)
- Blue (67%)



- Cyan (0%)
- Magenta (27%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1496, 59.3181, 46.4912 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 66.1496, 59.3181, 46.4912 by changing the saturation by 10% instead.





 66.1496, 59.3181,  
46.4912

 66.1496, 59.3181,  
46.4912


436.3919,  
422.0797, 389.1147

 48.6620, 42.8692,  
32.2822


 112.7576,  
103.8398, 86.2957

 34.5649, 29.7825,  
21.3105


142.6086,  
132.6815, 112.7281

 23.4928, 19.6736,  
13.1577


177.3116,  
166.4229, 144.0722

 15.0805, 12.1580,  
7.4052

217.2318,  
205.4485, 180.7463

 8.9626, 6.8514,  
3.6345

262.7345,  
250.1425, 223.1691

 4.7737, 3.3693,  
1.4271

314.1853,

 2.1485, 1.3275,

300.8895, 271.7591

0.1627

371.9493,  
358.0738, 326.9348

■ 0.7154, 0.1623,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.1496, 59.3181,  
46.4912

■ 66.1496, 59.3181,  
46.4912

■ 59.8559, 50.2524,  
33.5362

■ 73.5620, 69.8705,  
62.1336

■ 54.6212, 42.5980,  
23.1132

■ 82.1399, 81.9637,  
80.5997

■ 50.3873, 36.2858,  
15.0562

■ 91.9326, 95.6595,  
102.0208

■ 47.0880, 31.2372,  
9.1780

95.0500, 100.0000,  
108.9000

■ 44.6488, 27.3650,  
5.2628

■ 42.9828, 24.5709,  
3.0495

■ 42.1996, 23.1791,  
2.2499

# Harmonies

## Analogous

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



68.7086, 59.3181, 60.5107



66.1496, 59.3181, 46.4912



61.0041, 59.3181, 38.5171

# Triad

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



66.1496, 59.3181, 46.4912



46.3352, 59.3181, 52.5303



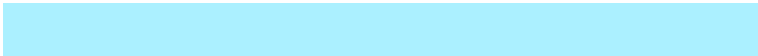
57.8471, 59.3181, 103.5373

# Complementary

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



66.1496, 59.3181, 46.4912



66.0035, 78.1953, 106.2222

# 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.



51.9959, 59.3181, 100.3659



66.1496, 59.3181, 46.4912



45.6222, 59.3181, 68.8431

# Square

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



66.1496, 59.3181, 46.4912



49.6453, 59.3181, 41.5444



47.6232, 59.3181, 86.8583



63.6980, 59.3181, 94.8804



# Rectangle

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



66.1496, 59.3181, 46.4912



56.9509, 59.3181, 36.7307



47.6232, 59.3181, 86.8583



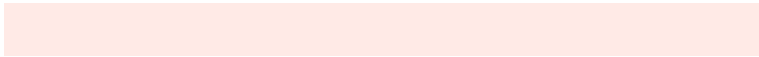
55.8130, 59.3181, 103.8415

# Sweetspot

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



66.1511, 59.3209, 46.4924



84.8913, 85.8222, 86.5864



71.6804, 56.7373, 90.3927



17.8859, 17.9710, 17.9138



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.



66.1511, 59.3209, 46.4924



61.5944, 52.7692, 37.0761



76.0601, 79.1388, 49.7954



18.2717, 18.5116, 18.7544



22.1255, 12.2622, 1.2007



2.2223, 1.3300, 0.1396

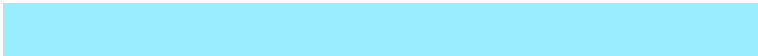


# Inverse Universe

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



66.0035, 78.1953, 106.2222



61.4072, 74.4330, 105.7382



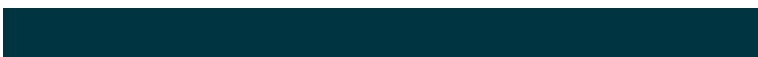
55.2686, 56.7254, 102.6439



18.2626, 19.8969, 23.1279



21.5031, 27.9157, 53.6895

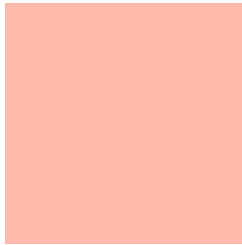


2.1625, 2.8558, 5.2505



# Previews

## White Background



This preview shows how the XYZ color 66.1496, 59.3181, 46.4912 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

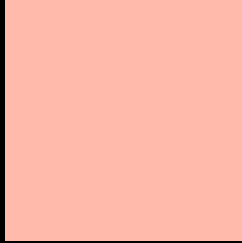
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1496, 59.3181, 46.4912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

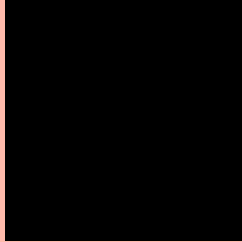
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.1496, 59.3181, 46.4912**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.1496, 59.3181, 46.4912.



This preview shows how white text looks on a background with the XYZ color 66.1496, 59.3181,

46.4912.

# 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

66.1496, 59.3181, 46.4912

### Protanopia

56.4086, 59.4928, 51.1580

### Deuteranopia

60.6082, 59.3872, 45.8046



## Tritanopia

68.2515, 59.1582, 60.6447

# Trichromacy



**Original Color**

66.1496, 59.3181, 46.4912

**Protanomaly**

59.5713, 59.1084, 49.3436

**Deuteranomaly**

62.7233, 59.4788, 46.2049

**Tritanomaly**

67.4576, 59.1718, 55.4429

# Monochromacy



**Original Color**

66.1496, 59.3181, 46.4912

**Achromatopsia**

58.0276, 61.0496, 66.4830

**Achromatomaly**

60.2511, 59.9264, 58.8435

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1496, 59.3181, 46.4912 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, 186, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 171)  
}
```

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, 186, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1496, 59.3181, 46.4912 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, 186, 171) }
```



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

```
.border{ border-color:rgb(255, 186, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1496, 59.3181, 46.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 171) }
```

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

```
.background{ background-color: rgb(255,  
186, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor