

# Converting Colors

XYZ(64.8013, 56.4788, 46.5120)

Have a look what the booklet for  
XYZ(64.8013, 56.4788, 46.5120)  
contains.

<b>XYZ(64.8065, 56.4788, 46.5155)</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(64.8065, 56.4788,  
46.5155)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFB3AC
RGB	255, 179, 172
RGB Percent	100%, 70%, 67%
CMY	0.0000, 0.2980, 0.3255
CMYK	0.00, 0.30, 0.33, 0.00
HSL	5°, 100%, 84%
HSV	5°, 33%, 100%
XYZ	64.8065, 56.4788, 46.5155
YIQ	200.9260, 47.5430, 13.9350

# Conversions

## Conversions Part 2

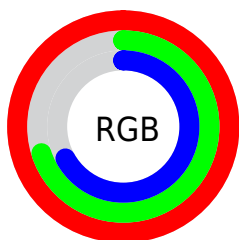
Format	Color
<a href="#">RYB</a>	<a href="#">255, 180, 172</a>
Decimal	<a href="#">16757676</a>
CIELab	<a href="#">79.89, 26.78, 14.69</a>
CIELCh	<a href="#">80, 30.544, 28.749</a>
Yxy	<a href="#">56.4788, 0.3862, 0.3366</a>
Android (android.graphics.Color)	<a href="#">4294947756</a> (0xFFFFB3AC)
YUV	<a href="#">200.9260, -14.2605, 47.4229</a>
Hunter-Lab	<a href="#">75.1524, 22.4101, 15.9092</a>

# Details

The XYZ color **64.8065, 56.4788, 46.5155** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.6293, 83.1223, 107.0348**, and the grayscale version is **55.5378, 58.4301, 63.6303**.

A 20% lighter version of the original color is **84.8135, 86.2227, 84.8455**, and **33.8770, 28.1481, 21.4169** is the 20% darker color. If you saturate the color by 10%, you get **58.2987, 47.0136, 33.4009**, and if you desaturate by 10%, it is **72.5794, 67.7218, 62.3712**.

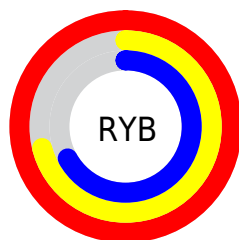
# Distribution



Red (100%)

Green (70%)

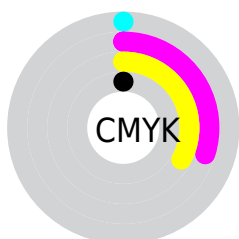
Blue (67%)



Red (100%)

Yellow (71%)

Blue (67%)

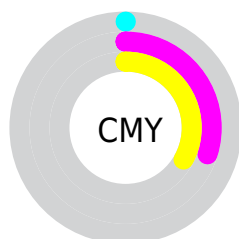


Cyan (0%)

Magenta (30%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8065, 56.4788, 46.5155 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 64.8065, 56.4788, 46.5155 by changing the saturation by 10% instead.





 64.8065, 56.4788,  
46.5155

 64.8065, 56.4788,  
46.5155


431.6525,  
411.4934, 389.2149

 47.5683, 40.5869,  
32.3012


 110.8389, 99.7043,  
86.3324

 33.6950, 27.9965,  
21.3249


140.3638,  
127.8067, 112.7720

 22.8211, 18.3230,  
13.1682


174.7150,  
160.7481, 144.1238

 14.5815, 11.1821,  
7.4124

214.2578,  
198.9128, 180.8064

 8.6106, 6.1895,  
3.6390

259.3576,  
242.6854, 223.2383

 4.5431, 2.9606,  
1.4295


310.3797,


 2.0138, 1.1112,


292.4500, 271.8379


0.1645

367.6896,  
348.5912, 327.0240


 0.6417, 0.0000,  
0.0000


 0.0000, 0.0000,  
0.0000

 64.8065, 56.4788,  
46.5155


 64.8065, 56.4788,  
46.5155


 58.2987, 47.0136,  
33.4009


 72.5794, 67.7218,  
62.3712

 52.9848, 39.2276,  
22.8686

 81.6749, 80.8186,  
81.1077

 48.7932, 33.0249,  
14.7491

 92.1522, 95.8506,  
102.8593

 45.6427, 28.2966,  
8.8507

95.0500, 100.0000,  
108.9000

■ 43.4413, 24.9201,  
4.9530

■ 42.0805, 22.7528,  
2.7900

■ 41.5179, 21.8158,  
2.0226

# Harmonies

## Analogous

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



66.4808, 56.4788, 62.2429



64.8065, 56.4788, 46.5155



60.0955, 56.4788, 36.7167

# Triad

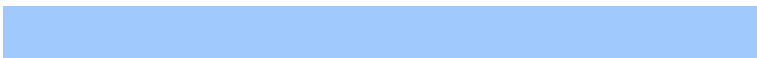
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8065, 56.4788, 46.5155



44.1361, 56.4788, 45.4537



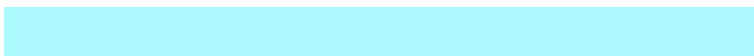
53.4220, 56.4788, 102.2545

# Complementary

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



64.8065, 56.4788, 46.5155



68.6293, 83.1223, 107.0348

# 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.



47.7408, 56.4788, 95.4799



64.8065, 56.4788, 46.5155



42.6402, 56.4788, 60.7547

# Square

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



64.8065, 56.4788, 46.5155



48.1582, 56.4788, 36.1916



43.9085, 56.4788, 79.3897



59.6116, 56.4788, 96.4811



# Rectangle

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



64.8065, 56.4788, 46.5155



56.0371, 56.4788, 33.7577



43.9085, 56.4788, 79.3897



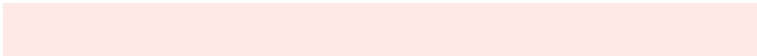
51.3927, 56.4788, 101.3492

# Sweetspot

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



64.8079, 56.4815, 46.5166



84.2116, 84.4628, 86.3598



72.9490, 57.5480, 96.1379



17.7229, 17.6450, 17.8594



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.



64.8079, 56.4815, 46.5166



60.4681, 50.1759, 37.7510



74.3893, 75.6443, 49.7104



18.1326, 18.2333, 18.7080



21.7362, 11.4836, 1.0709



2.1565, 1.1984, 0.1177



# Inverse Universe

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



68.6293, 83.1223, 107.0348



64.8138, 80.5239, 106.7344



57.2757, 60.4152, 103.2503



18.4160, 20.2036, 23.1790



24.7825, 34.4745, 54.7827



2.4501, 3.4308, 5.3464



# Previews

## White Background



This preview shows how the XYZ color 64.8065, 56.4788, 46.5155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

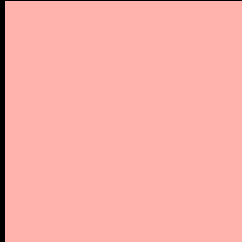
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8065, 56.4788, 46.5155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

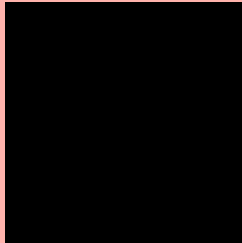
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.8065, 56.4788, 46.5155**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8065, 56.4788, 46.5155.



This preview shows how white text looks on a background with the XYZ color 64.8065, 56.4788,



# 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

64.8065, 56.4788, 46.5155

### Protanopia

54.0912, 56.8874, 52.3854

### Deuteranopia

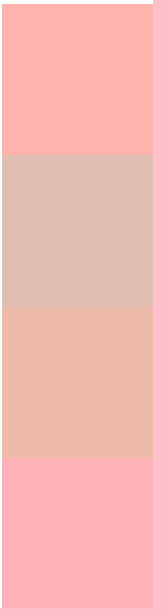
57.8814, 56.6579, 45.9156



## Tritanopia

66.2564, 56.4220, 56.1136

# Trichromacy



**Original Color**  
64.8065, 56.4788, 46.5155

**Protanomaly**  
57.4072, 56.3232, 49.9653

**Deuteranomaly**  
60.3809, 56.6581, 46.2818

**Tritanomaly**  
65.7076, 56.5197, 52.2460

# Monochromacy



**Original Color**  
64.8065, 56.4788, 46.5155

**Achromatopsia**  
55.5167, 58.4078, 63.6061

**Achromatomaly**  
58.1830, 57.2298, 56.6951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8065, 56.4788, 46.5155 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, 179, 172) looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 172)  
}
```

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, 179, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8065, 56.4788, 46.5155 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, 179, 172) }
```



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

```
.border{ border-color:rgb(255, 179, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 179, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8065, 56.4788, 46.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 172) }
```

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

```
.background{ background-color: rgb(255,  
179, 172) }
```

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