

# Converting Colors

XYZ(56.9139, 46.6902, 25.3977)

Have a look what the booklet for  
XYZ(56.9139, 46.6902, 25.3977)  
contains.

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# Color

**XYZ(56.9986, 46.8546,  
25.4417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9D7D
RGB	255, 157, 125
RGB Percent	100%, 62%, 49%
CMY	0.0000, 0.3843, 0.5098
CMYK	0.00, 0.38, 0.51, 0.00
HSL	15°, 100%, 75%
HSV	15°, 51%, 100%
XYZ	56.9986, 46.8546, 25.4417
YIQ	182.6540, 68.6800, 10.8240

# Conversions

## Conversions Part 2

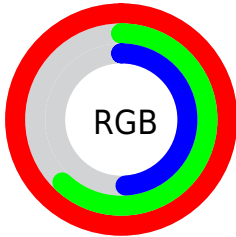
Format	Color
R <sub>Y</sub> B	255, 167, 125
Decimal	16751997
CIE Lab	74.10, 33.30, 32.15
CIE LCh	74, 46.287, 44.001
Yxy	46.8546, 0.4408, 0.3624
Android (android.graphics.Color)	4294942077 (0xFFFF9D7D)
YUV	182.6540, -28.4234, 63.4474
Hunter-Lab	68.4504, 28.8485, 25.8783

# Details

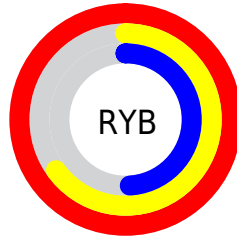
The XYZ color **56.9986, 46.8546, 25.4417** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.8936, 64.3520, 104.2407**, and the grayscale version is **44.9457, 47.2864, 51.4949**.

A 20% lighter version of the original color is **72.8194, 71.5613, 52.0942**, and **28.7605, 22.0245, 9.5728** is the 20% darker color. If you saturate the color by 10%, you get **52.5737, 40.2858, 16.9355**, and if you desaturate by 10%, it is **62.3556, 54.6186, 36.3222**.

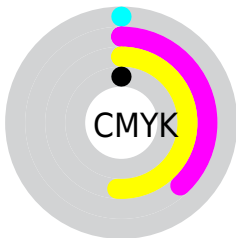
# Distribution



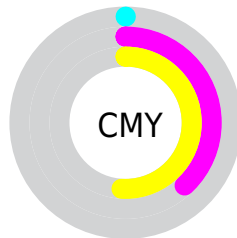
- Red (100%)
- Green (62%)
- Blue (49%)



- Red (100%)
- Yellow (65%)
- Blue (49%)



- Cyan (0%)
- Magenta (38%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9986, 46.8546, 25.4417 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 56.9986, 46.8546, 25.4417 by changing the saturation by 10% instead.





 56.9986, 46.8546,  
25.4417


 56.9986, 46.8546,  
25.4417


403.4583,  
374.2339, 293.5483

 41.2443, 32.9207,  
16.1844

 99.5945, 85.4965,  
53.3459

 28.6985, 22.0657,  
9.4990


 127.1668,  
110.9734, 72.8298

 18.9960, 13.9052,  
4.9668

 159.4091,  
141.0667, 96.5598

 11.7714, 8.0548,  
2.1694

196.6868,  
176.1609, 124.9543

 6.6593, 4.1300,  
0.6566

239.3652,  
216.6403, 158.4319

 3.2944, 1.7466,  
0.0000

287.8097,

 1.3113, 0.4535,

262.8893, 197.4110

0.0000

342.3856,  
315.2924, 242.3103

■ 0.1916, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.9986, 46.8546,  
25.4417

■ 56.9986, 46.8546,  
25.4417

■ 52.5737, 40.2858,  
16.9355

■ 62.3556, 54.6186,  
36.3222

■ 49.0209, 34.8443,  
10.6208

■ 68.6927, 63.6271,  
49.7357

■ 46.2780, 30.4660,  
6.2923

■ 76.0586, 73.9349,  
65.8301

■ 44.2719, 27.0767,  
3.7036

■ 84.4979, 85.5915,  
84.7412

■ 43.0052, 24.7907,  
2.5185

■ 94.0520, 98.6440,  
106.5955

■ 95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



61.8405, 46.8546, 40.7597



56.9986, 46.8546, 25.4417



49.0687, 46.8546, 18.5362

# Triad

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



56.9986, 46.8546, 25.4417



30.9136, 46.8546, 39.4508



48.4985, 46.8546, 109.2933

# Complementary

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



56.9986, 46.8546, 25.4417



52.8936, 64.3520, 104.2407

# 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.



40.2874, 46.8546, 108.6104



56.9986, 46.8546, 25.4417



30.8011, 46.8546, 62.8644

# Square

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



56.9986, 46.8546, 25.4417



34.3627, 46.8546, 24.7408



34.0333, 46.8546, 89.7067



56.5368, 46.8546, 91.3556



# Rectangle

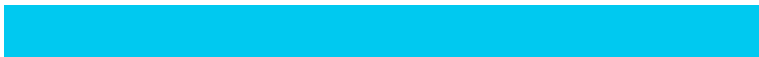
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



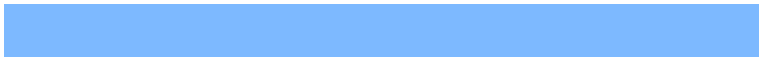
56.9986, 46.8546, 25.4417



43.4322, 46.8546, 17.7060



34.0333, 46.8546, 89.7067



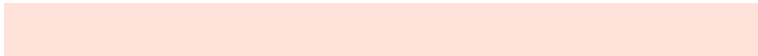
45.6541, 46.8546, 111.3730

# Sweetspot

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



56.9998, 46.8570, 25.4426



80.9737, 80.7405, 76.7920



62.1188, 41.3455, 75.7024



16.9514, 16.7563, 15.5845



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.



56.9998, 46.8570, 25.4426



52.5659, 40.2738, 16.9206



70.6223, 74.1022, 29.9834



18.3726, 18.7133, 18.7880



22.5687, 13.1487, 1.3485

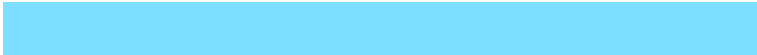


2.2789, 1.4432, 0.1585



# Inverse Universe

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



52.8936, 64.3520, 104.2407



47.9813, 59.3710, 103.5386



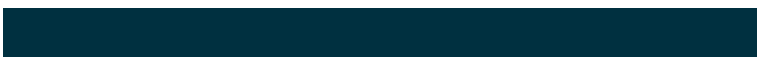
39.0208, 36.6065, 99.6165



18.1538, 19.6792, 23.0916



19.4296, 23.7688, 52.9984



1.9775, 2.4857, 5.1888



# Previews

## White Background



This preview shows how the XYZ color 56.9986, 46.8546, 25.4417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

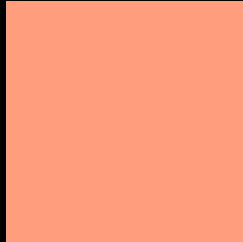
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9986, 46.8546, 25.4417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

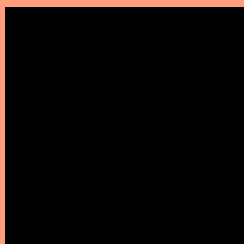
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.9986, 46.8546, 25.4417**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9986, 46.8546, 25.4417.



This preview shows how white text looks on a background with the XYZ color 56.9986, 46.8546,

25.4417.

# 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

56.9986, 46.8546, 25.4417

### Protanopia

43.9368, 46.9692, 30.0428

### Deuteranopia

48.0562, 47.1252, 24.9756



## Tritanopia

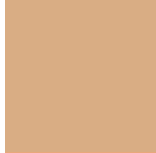
59.3321, 46.7228, 41.0132

# Trichromacy



## Original Color

56.9986, 46.8546, 25.4417



## Protanomaly

47.7237, 46.3048, 28.2522



## Deuteranomaly

50.8565, 46.5911, 25.0515



## Tritanomaly

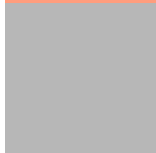
58.3006, 46.5732, 34.7709

# Monochromacy



## Original Color

56.9986, 46.8546, 25.4417



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

47.9521, 46.4360, 40.6181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9986, 46.8546, 25.4417 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, 157, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 125)  
}
```

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, 157, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9986, 46.8546, 25.4417 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, 157, 125) }
```



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

```
.border{ border-color:rgb(255, 157, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9986, 46.8546, 25.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 125) }
```

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

```
.background{ background-color: rgb(255,  
157, 125) }
```

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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