

Converting Colors

XYZ(85.1936, 68.0846, 35.6561)

Have a look what the booklet for
XYZ(85.1936, 68.0846, 35.6561)
contains.

XYZ(63.1563, 56.7912, 34.8272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.1563, 56.7912,
34.8272)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB692
RGB	255, 182, 146
RGB Percent	100%, 71%, 57%
CMY	0.0000, 0.2862, 0.4274
CMYK	0.00, 0.29, 0.43, 0.00
HSL	20°, 100%, 79%
HSV	20°, 43%, 100%
XYZ	63.1563, 56.7912, 34.8272
YIQ	199.7230, 55.0640, 4.2800

Conversions

Conversions Part 2

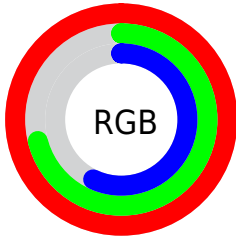
Format	Color
R _Y B	255, 200, 146
Decimal	16758418
CIE Lab	80.06, 22.25, 28.85
CIE LCh	80, 36.431, 52.355
Yxy	56.7912, 0.4081, 0.3669
Android (android.graphics.Color)	4294948498 (0xFFFFB692)
YUV	199.7230, -26.4854, 48.4779
Hunter-Lab	75.3599, 17.7142, 25.3514

Details

The XYZ color **63.1563, 56.7912, 34.8272** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.2346, 63.9916, 104.0482**, and the grayscale version is **54.8646, 57.7218, 62.8590**.

A 20% lighter version of the original color is **82.2399, 86.5792, 67.0205**, and **32.6808, 28.2625, 14.5592** is the 20% darker color. If you saturate the color by 10%, you get **58.1032, 49.5132, 24.4239**, and if you desaturate by 10%, it is **69.0812, 65.1046, 47.7047**.

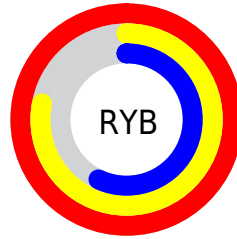
Distribution



Red (100%)

Green (71%)

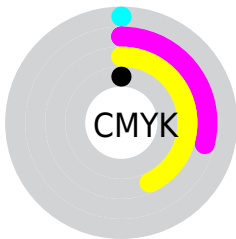
Blue (57%)



Red (100%)

Yellow (78%)

Blue (57%)

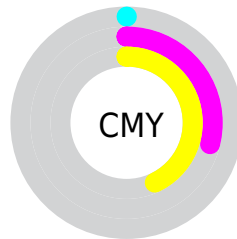


Cyan (0%)

Magenta (29%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1563, 56.7912, 34.8272 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 63.1563, 56.7912, 34.8272 by changing the saturation by 10% instead.

 63.1563, 56.7912,
34.8272

 63.1563, 56.7912,
34.8272


425.7872,
412.6664, 338.6860

 46.2268, 40.8376,
23.2473

 108.4755,
100.1605, 68.3665

 32.6302, 28.1922,
14.5692

 137.5959,
128.3449, 91.1630

 22.0012, 18.4706,
8.3744


171.5107,
161.3752, 118.5355

 13.9744, 11.2884,
4.2442

210.5852,
199.6355, 150.9024

 8.1844, 6.2612,
1.7603

255.1847,
243.5105, 188.6824

 4.2660, 3.0045,
0.4015

305.6746,

 1.8537, 1.1341,

293.3843, 232.2940

0.0000

362.4203,
349.6415, 282.1557

■ 0.5497, 0.0069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1563, 56.7912,
34.8272

■ 63.1563, 56.7912,
34.8272

■ 58.1032, 49.5132,
24.4239

■ 69.0812, 65.1046,
47.7047

■ 53.8725, 43.2200,
16.3297

■ 75.9151, 74.4850,
63.2001

■ 50.4161, 37.8685,
10.3643

■ 83.6981, 84.9728,
81.4502

■ 47.6782, 33.4089,
6.3187

■ 92.4666, 96.6035,
102.5810

■ 45.5933, 29.7852, 95.0500, 100.0000,
3.9401 108.9000

■ 44.4284, 27.6369,
2.9928

Harmonies

Analogous

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



68.2565, 56.7912, 47.5784



63.1563, 56.7912, 34.8272



55.8960, 56.7912, 29.5702

Triad

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



63.1563, 56.7912, 34.8272



41.0529, 56.7912, 56.5650



59.5807, 56.7912, 107.7709

Complementary

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



63.1563, 56.7912, 34.8272



55.2346, 63.9916, 104.0482

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.



52.1050, 56.7912, 111.7346



63.1563, 56.7912, 34.8272



41.8446, 56.7912, 78.6903

Square

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



63.1563, 56.7912, 34.8272



43.4646, 56.7912, 40.1123



45.7356, 56.7912, 100.0991



66.0640, 56.7912, 90.2558

Rectangle

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



63.1563, 56.7912, 34.8272



50.9868, 56.7912, 29.9277



45.7356, 56.7912, 100.0991



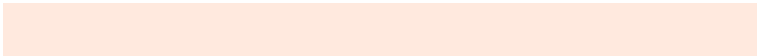
57.0847, 56.7912, 110.8729

Sweetspot

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



63.1577, 56.7939, 34.8283



83.4871, 84.6907, 80.9486



64.5016, 47.0112, 73.7211



17.4853, 17.6124, 16.4155



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.



63.1577, 56.7939, 34.8283



58.9243, 50.7110, 26.0678



76.1416, 82.7617, 39.1563



18.4995, 18.9671, 18.8303



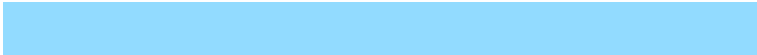
23.3360, 14.6832, 1.6042



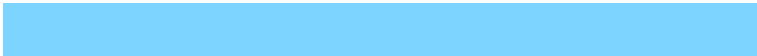
2.3674, 1.6201, 0.1879

Inverse Universe

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



55.2346, 63.9916, 104.0482



50.0539, 58.6838, 103.2967



43.5378, 40.5980, 100.1492



18.0196, 19.4109, 23.0469



17.1605, 19.2306, 52.2420



1.7710, 2.0727, 5.1200

Previews

White Background



This preview shows how the XYZ color 63.1563, 56.7912, 34.8272 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 63.1563, 56.7912, 34.8272 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 63.1563, 56.7912, 34.8272

Background



This preview shows how black text looks on a background with the XYZ color 63.1563, 56.7912, 34.8272.



This preview shows how white text looks on a background with the XYZ color 63.1563, 56.7912,

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

63.1563, 56.7912, 34.8272

Protanopia

53.3246, 57.1438, 38.3563

Deuteranopia

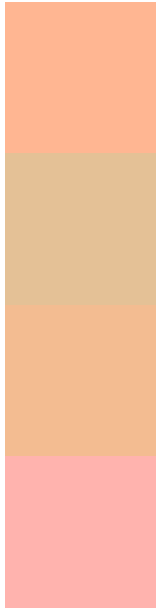
58.2569, 57.1081, 34.3380



Tritanopia

66.4547, 56.8185, 56.1797

Trichromacy



Original Color

63.1563, 56.7912, 34.8272

Protanomaly

56.5699, 56.8359, 36.8430

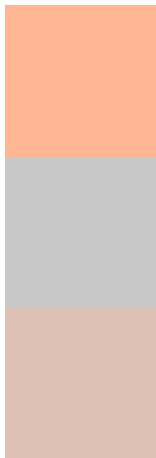
Deuteranomaly

60.0562, 57.0655, 34.6375

Tritanomaly

65.0001, 56.5562, 47.5350

Monochromacy



Original Color

63.1563, 56.7912, 34.8272

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

56.8234, 56.6509, 51.1198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1563, 56.7912, 34.8272 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, 182, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 146)  
}
```

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, 182, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 146) }
```

Border

The CSS property to change the border of an element to XYZ 63.1563, 56.7912, 34.8272 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, 182, 146) }
```


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

```
.border{ border-color:rgb(255, 182, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1563, 56.7912, 34.8272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 146) }
```

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

```
.background{ background-color: rgb(255,  
182, 146) }
```

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