

# Converting Colors

XYZ(72.3086, 68.0483, 25.3205)

Have a look what the booklet for  
XYZ(72.3086, 68.0483, 25.3205)  
contains.

<b>XYZ(65.1639, 64.2482, 24.8862)</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(65.1639, 64.2482,  
24.8862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC972
RGB	255, 201, 114
RGB Percent	100%, 79%, 45%
CMY	0.0000, 0.2117, 0.5529
CMYK	0.00, 0.21, 0.55, 0.00
HSL	37°, 100%, 72%
HSV	37°, 55%, 100%
XYZ	65.1639, 64.2482, 24.8862
YIQ	207.2280, 60.1110, -15.6090

# Conversions

## Conversions Part 2

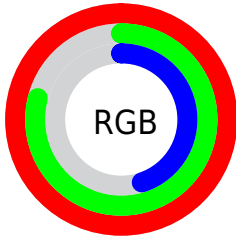
Format	Color
<b>R<sub>YB</sub></b>	202, 255, 114
Decimal	16763250
CIE Lab	84.09, 9.44, 50.30
CIE LCh	84, 51.174, 79.367
Yxy	64.2482, 0.4223, 0.4164
Android (android.graphics.Color)	4294953330 (0xFFFFC972)
YUV	207.2280, -45.9614, 41.8960
Hunter-Lab	80.1550, 4.8446, 37.7004

# Details

The XYZ color **65.1639, 64.2482, 24.8862** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.9914, 38.8010, 100.0416**, and the grayscale version is **59.7166, 62.8265, 68.4181**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **33.8366, 32.8284, 9.2558** is the 20% darker color. If you saturate the color by 10%, you get **61.7058, 59.3401, 17.5436**, and if you desaturate by 10%, it is **69.1744, 69.6138, 34.4099**.

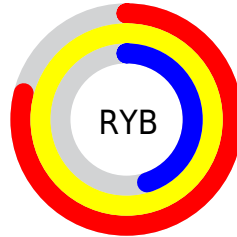
# Distribution



Red (100%)

Green (79%)

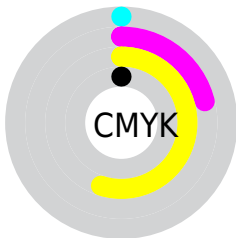
Blue (45%)



Red (79%)

Yellow (100%)

Blue (45%)

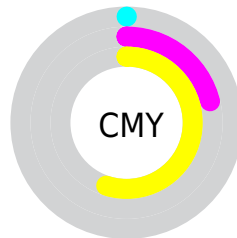


Cyan (0%)

Magenta (21%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1639, 64.2482, 24.8862 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 65.1639, 64.2482, 24.8862 by changing the saturation by 10% instead.





 65.1639, 64.2482,  
24.8862

 65.1639, 64.2482,  
24.8862


432.9166,  
440.0854, 290.7002

 47.8592, 46.8517,  
15.7740


 111.3499,  
110.9683, 52.4344

 33.9262, 32.9185,  
9.2118


 140.9618,  
141.0607, 71.7075

 22.9995, 22.0640,  
4.7809


 175.4069,  
176.1539, 95.2046

 14.7138, 13.9039,  
2.0628

215.0505,  
216.6323, 123.3444

 8.7038, 8.0539,  
0.5935

260.2579,  
262.8802, 156.5453

 4.6040, 4.1294,  
0.0000

311.3945,

 2.0492, 1.7462,

315.2821, 195.2259

0.0000

368.8256,  
374.2224, 239.8047

■ 0.6614, 0.4533,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.1639, 64.2482,  
24.8862

■ 65.1639, 64.2482,  
24.8862

■ 61.7058, 59.3401,  
17.5436

■ 69.1744, 69.6138,  
34.4099

■ 58.7581, 54.8609,  
12.1953

■ 73.7658, 75.4450,  
46.2729

■ 56.2795, 50.7923,  
8.6296

■ 78.9698, 81.7611,  
60.6228

■ 54.2173, 47.1086,  
6.5832

■ 84.8143, 88.5770,  
77.5941

■ 53.3563, 45.4929,  
5.9688

■ 91.3252, 95.9070,  
97.3115

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.



76.3376, 64.2482, 32.5590



65.1639, 64.2482, 24.8862



54.1400, 64.2482, 26.1381

# Triad

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



65.1639, 64.2482, 24.8862



42.7746, 64.2482, 92.6879



79.0851, 64.2482, 118.8105

# Complementary

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



65.1639, 64.2482, 24.8862



38.9914, 38.8010, 100.0416

# 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.



68.5589, 64.2482, 146.6206



65.1639, 64.2482, 24.8862



47.9804, 64.2482, 128.6069

# Square

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



65.1639, 64.2482, 24.8862



42.1026, 64.2482, 59.0892



57.1436, 64.2482, 150.6744



85.0085, 64.2482, 82.0781



# Rectangle

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



65.1639, 64.2482, 24.8862



48.2944, 64.2482, 32.0308



57.1436, 64.2482, 150.6744



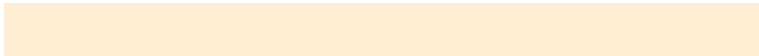
75.9114, 64.2482, 129.9384

# Sweetspot

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



65.1654, 64.2513, 24.8875



83.7706, 87.3779, 74.5066



54.3301, 36.1241, 41.1800



17.6726, 18.4044, 15.1913



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.



65.1654, 64.2513, 24.8875



61.4813, 59.0097, 17.1023



74.2420, 91.0071, 29.5735



18.9428, 19.8538, 18.9781



28.0288, 24.0689, 3.1685

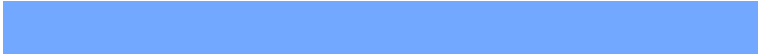


2.8348, 2.5550, 0.3437



# Inverse Universe

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



38.9914, 38.8010, 100.0416



33.0430, 31.4127, 98.9294



33.3429, 24.0368, 97.4895



17.5732, 18.5180, 22.8981



11.8296, 8.5688, 50.4650



1.2535, 1.0377, 4.9475



# Previews

## White Background



This preview shows how the XYZ color 65.1639, 64.2482, 24.8862 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 65.1639, 64.2482, 24.8862 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 65.1639, 64.2482, 24.8862**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.1639, 64.2482, 24.8862.



This preview shows how white text looks on a background with the XYZ color 65.1639, 64.2482, 24.8862.



# 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

65.1639, 64.2482, 24.8862

### Protanopia

59.2125, 64.3665, 26.1328

### Deuteranopia

65.5778, 64.4138, 27.0659



## Tritanopia

71.6724, 64.2998, 67.0261

# Trichromacy



## Original Color

65.1639, 64.2482, 24.8862

## Protanomaly

61.4004, 64.4119, 25.7196

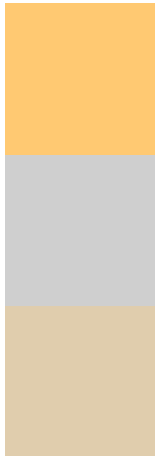
## Deuteranomaly

65.3967, 64.3413, 26.1119

## Tritanomaly

68.7491, 64.2096, 48.3054

# Monochromacy



## Original Color

65.1639, 64.2482, 24.8862

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

60.1146, 62.5271, 48.4357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1639, 64.2482, 24.8862 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, 201, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 114)  
}
```

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, 201, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1639, 64.2482, 24.8862 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, 201, 114) }
```



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

```
.border{ border-color:rgb(255, 201, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1639, 64.2482, 24.8862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 114) }
```

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

```
.background{ background-color: rgb(255,  
201, 114) }
```

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