

Converting Colors

XYZ(64.6368, 63.3966, 24.0857)

Have a look what the booklet for
XYZ(64.6368, 63.3966, 24.0857)
contains.

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Color

**XYZ(64.5881, 63.2767,
24.1387)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC770
RGB	255, 199, 112
RGB Percent	100%, 78%, 44%
CMY	0.0000, 0.2196, 0.5608
CMYK	0.00, 0.22, 0.56, 0.00
HSL	37°, 100%, 72%
HSV	37°, 56%, 100%
XYZ	64.5881, 63.2767, 24.1387
YIQ	205.8260, 61.3030, -15.1850

Conversions

Conversions Part 2

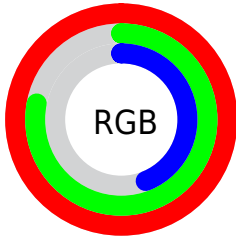
Format	Color
R_{YB}	204, 255, 112
Decimal	16762736
CIE _{Lab}	83.59, 10.33, 50.66
CIE _{LCh}	84, 51.699, 78.479
Yxy	63.2767, 0.4249, 0.4163
Android (android.graphics.Color)	4294952816 (0xFFFFC770)
YUV	205.8260, -46.2562, 43.1256
Hunter-Lab	79.5467, 5.7269, 37.6909

Details

The XYZ color **64.5881, 63.2767, 24.1387** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.7342, 38.6685, 100.0297**, and the grayscale version is **58.8154, 61.8784, 67.3856**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **33.4734, 32.1898, 8.8639** is the 20% darker color. If you saturate the color by 10%, you get **61.1422, 58.3445, 16.9497**, and if you desaturate by 10%, it is **68.5898, 68.6774, 33.4973**.

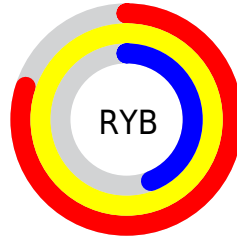
Distribution



Red (100%)

Green (78%)

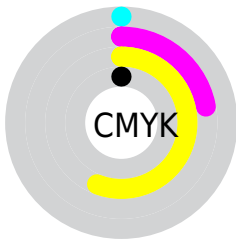
Blue (44%)



Red (80%)

Yellow (100%)

Blue (44%)

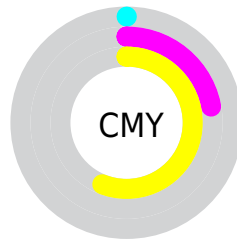


Cyan (0%)

Magenta (22%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5881, 63.2767, 24.1387 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 64.5881, 63.2767, 24.1387 by changing the saturation by 10% instead.


 64.5881, 63.2767,
24.1387

 64.5881, 63.2767,
24.1387


430.8789,
436.5730, 286.8301


 47.3906, 46.0651,
15.2234

 110.5265,
109.5686, 51.2031

 33.5538, 32.2972,
8.8280


 139.9981,
139.4177, 70.1893

 22.7123, 21.5886,
4.5339


 174.2918,
174.2481, 93.3695

 14.5007, 13.5549,
1.9225

213.7729,
214.4441, 121.1623

 8.5538, 7.8118,
0.5070

258.8068,
260.3902, 153.9862

 4.5061, 3.9747,
0.0000

309.7589,

 1.9922, 1.6594,

312.4708, 192.2598

0.0000

366.9945,
371.0703, 236.4016

■ 0.6296, 0.3972,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5881, 63.2767,
24.1387

■ 64.5881, 63.2767,
24.1387

■ 61.1422, 58.3445,
16.9497

■ 68.5898, 68.6774,
33.4973

■ 58.2097, 53.8518,
11.7417

■ 73.1764, 74.5552,
45.1853

■ 55.7484, 49.7795,
8.2997

■ 78.3799, 80.9298,
59.3514

■ 53.7043, 46.1011,
6.3551

■ 84.2286, 87.8168,
76.1309

52.9862, 44.7526,
5.8454

90.7487, 95.2306,
95.6494

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



75.7284, 63.2767, 32.0167



64.5881, 63.2767, 24.1387



53.5146, 63.2767, 25.1233

Triad

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



64.5881, 63.2767, 24.1387



41.7971, 63.2767, 90.5655



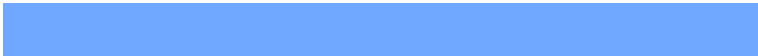
77.9237, 63.2767, 118.9350

Complementary

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



64.5881, 63.2767, 24.1387



38.7342, 38.6685, 100.0297

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.



67.2965, 63.2767, 146.3844



64.5881, 63.2767, 24.1387



46.8570, 63.2767, 126.7871

Square

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



64.5881, 63.2767, 24.1387



41.2638, 63.2767, 57.2000



55.9059, 63.2767, 149.6389



84.0470, 63.2767, 82.0902

Rectangle

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



64.5881, 63.2767, 24.1387



47.6093, 63.2767, 30.7593



55.9059, 63.2767, 149.6389



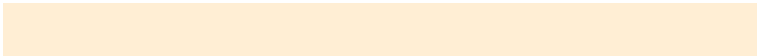
74.7025, 63.2767, 130.0034

Sweetspot

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



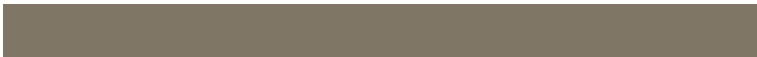
64.5896, 63.2798, 24.1399



83.6615, 87.1598, 74.4702



54.2147, 35.7210, 41.6727



17.6468, 18.3528, 15.1827



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.



64.5896, 63.2798, 24.1399



60.8509, 57.9119, 16.3893



74.8579, 91.3377, 29.0145



18.9292, 19.8266, 18.9736



27.8361, 23.6834, 3.1042



2.8167, 2.5188, 0.3377

Inverse Universe

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



38.7342, 38.6685, 100.0297



32.7941, 31.2608, 98.9132



32.4932, 23.2675, 97.3860



17.5864, 18.5444, 22.9025



11.9399, 8.7895, 50.5018



1.2651, 1.0610, 4.9514

Previews

White Background



This preview shows how the XYZ color 64.5881, 63.2767, 24.1387 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 64.5881, 63.2767, 24.1387 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 64.5881, 63.2767, 24.1387

Background



This preview shows how black text looks on a background with the XYZ color 64.5881, 63.2767, 24.1387.



This preview shows how white text looks on a background with the XYZ color 64.5881, 63.2767,

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

64.5881, 63.2767, 24.1387

Protanopia

58.2081, 63.4967, 25.4079

Deuteranopia

64.7007, 63.3218, 24.7318



Tritanopia

70.9887, 63.3189, 65.6070

Trichromacy



Original Color

64.5881, 63.2767, 24.1387

Protanomaly

60.1285, 63.0547, 24.9212

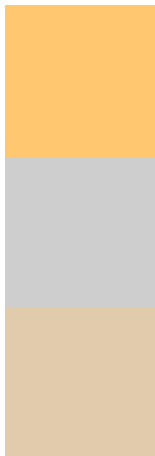
Deuteranomaly

64.6441, 63.2991, 24.4336

Tritanomaly

68.1058, 63.2305, 47.1432

Monochromacy



Original Color

64.5881, 63.2767, 24.1387

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.5428, 61.5377, 47.7695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5881, 63.2767, 24.1387 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, 199, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 112)  
}
```

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, 199, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 112) }
```

Border

The CSS property to change the border of an element to XYZ 64.5881, 63.2767, 24.1387 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, 199, 112) }
```


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

```
.border{ border-color:rgb(255, 199, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5881, 63.2767, 24.1387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 112) }
```

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

```
.background{ background-color: rgb(255,  
199, 112) }
```

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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