

Converting Colors

XYZ(65.0130, 65.3627, 20.4696)

Have a look what the booklet for
XYZ(65.0130, 65.3627, 20.4696)
contains.

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Color

**XYZ(64.9905, 65.3088,
20.4897)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC61
RGB	255, 204, 97
RGB Percent	100%, 80%, 38%
CMY	0.0000, 0.2000, 0.6196
CMYK	0.00, 0.20, 0.62, 0.00
HSL	41°, 100%, 69%
HSV	41°, 62%, 100%
XYZ	64.9905, 65.3088, 20.4897
YIQ	207.0510, 64.7430, -22.4650

Conversions

Conversions Part 2

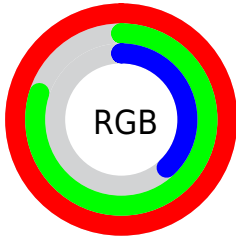
Format	Color
RYB	172, 255, 97
Decimal	16764001
CIELab	84.64, 6.69, 58.91
CIELCh	85, 59.291, 83.521
Yxy	65.3088, 0.4310, 0.4331
Android (android.graphics.Color)	4294954081 (0xFFFFCC61)
YUV	207.0510, -54.2551, 42.0513
Hunter-Lab	80.8139, 2.1254, 41.5372

Details

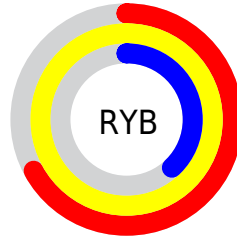
The XYZ color **64.9905, 65.3088, 20.4897** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.5691, 30.9398, 98.8098**, and the grayscale version is **59.6520, 62.7585, 68.3441**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **33.8481, 33.5892, 6.9849** is the 20% darker color. If you saturate the color by 10%, you get **62.0829, 61.1005, 14.5677**, and if you desaturate by 10%, it is **68.3866, 69.8829, 28.4605**.

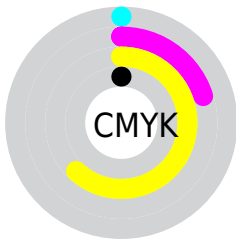
Distribution



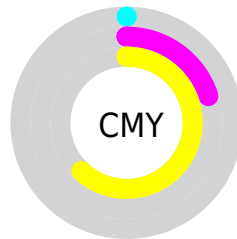
- Red (100%)
- Green (80%)
- Blue (38%)



- Red (67%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (20%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9905, 65.3088, 20.4897 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 64.9905, 65.3088, 20.4897 by changing the saturation by 10% instead.


 64.9905, 65.3088,
20.4897


 64.9905, 65.3088,
20.4897


432.3036,
443.9008, 267.2453

 47.7180, 47.7115,
12.5639


 111.1020,
112.4937, 45.1064


 33.8140, 33.5985,
7.0018


 140.6717,
142.8501, 62.6344

 22.9129, 22.5853,
3.3847


 175.0713,
178.2283, 84.2002

 14.6496, 14.2876,
1.2943

 214.6660,
219.0128, 110.2224

 8.6585, 8.3210,
0.0571

259.8212,
265.5879, 141.1194

 4.5745, 4.3010,
0.0000

310.9023,

 2.0320, 1.8433,

318.3380, 177.3099

0.0000

368.2747,
377.6475, 219.2124

■ 0.6518, 0.5140,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9905, 65.3088,
20.4897

■ 64.9905, 65.3088,
20.4897

■ 62.0829, 61.1005,
14.5677

■ 68.3866, 69.8829,
28.4605

■ 59.6195, 57.2303,
10.4893

■ 72.3011, 74.8298,
38.6510

■ 57.5542, 53.6796,
8.0133

■ 76.7668, 80.1674,
51.2185

■ 56.1258, 51.0320,
6.8920

■ 81.8118, 85.9094,
66.3046

87.4624, 92.0686,
84.0401

93.7429, 98.6570,
104.5464

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



78.4689, 65.3088, 27.1272



64.9905, 65.3088, 20.4897



52.4604, 65.3088, 23.0268

Triad

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



64.9905, 65.3088, 20.4897



41.5392, 65.3088, 104.3480



84.8710, 65.3088, 123.8466

Complementary

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



64.9905, 65.3088, 20.4897



33.5691, 30.9398, 98.8098

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.



72.7958, 65.3088, 161.0732



64.9905, 65.3088, 20.4897



48.1384, 65.3088, 147.2995

Square

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



64.9905, 65.3088, 20.4897



40.0635, 65.3088, 63.1982



59.2462, 65.3088, 170.9099



90.9534, 65.3088, 79.6564

Rectangle

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



64.9905, 65.3088, 20.4897



46.1450, 65.3088, 30.2685



59.2462, 65.3088, 170.9099



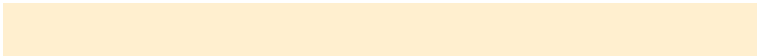
81.3023, 65.3088, 138.1438

Sweetspot

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



64.9920, 65.3120, 20.4910



83.4204, 87.6888, 71.2724



50.9930, 32.0011, 32.2035



17.5226, 18.4009, 14.2268



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.



64.9920, 65.3120, 20.4910



61.5459, 60.2842, 13.5929



70.1244, 88.9859, 24.7900



19.0380, 20.0442, 19.0098



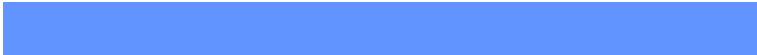
29.4684, 26.9480, 3.6483



2.9684, 2.8221, 0.3883

Inverse Universe

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



33.5691, 30.9398, 98.8098



27.9325, 23.6196, 97.6946



30.5413, 20.0056, 96.8589



17.4816, 18.3348, 22.8675



11.1392, 7.1880, 50.2349



1.1787, 0.8882, 4.9226

Previews

White Background



This preview shows how the XYZ color 64.9905, 65.3088, 20.4897 looks on a white background.

Color Contrast Check

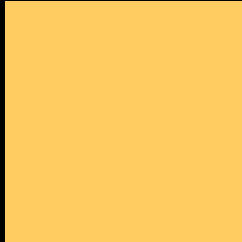
Large Text (above 18pt) WCAG AA × Fail

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 64.9905, 65.3088, 20.4897 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 64.9905, 65.3088, 20.4897

Background



This preview shows how black text looks on a background with the XYZ color 64.9905, 65.3088, 20.4897.



This preview shows how white text looks on a background with the XYZ color 64.9905, 65.3088,

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

64.9905, 65.3088, 20.4897

Protanopia

59.7273, 65.4802, 21.2954

Deuteranopia

66.1088, 65.3770, 27.5471



Tritanopia

72.3651, 65.2939, 68.4634

Trichromacy



Original Color

64.9905, 65.3088, 20.4897

Protanomaly

61.6230, 65.3600, 20.9231

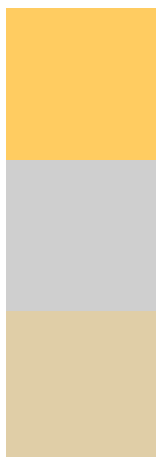
Deuteranomaly

65.5766, 65.1641, 24.7445

Tritanomaly

68.7313, 64.9340, 45.9568

Monochromacy



Original Color

64.9905, 65.3088, 20.4897

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

59.7868, 62.7799, 45.5259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9905, 65.3088, 20.4897 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, 204, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 97)  
}
```

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, 204, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 97) }
```

Border

The CSS property to change the border of an element to XYZ 64.9905, 65.3088, 20.4897 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, 204, 97) }
```


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

```
.border{ border-color:rgb(255, 204, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9905, 65.3088, 20.4897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 97) }
```

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

```
.background{ background-color: rgb(255,  
204, 97) }
```

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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