

Converting Colors

XYZ(65.1319, 65.0236, 22.2881)

Have a look what the booklet for
XYZ(65.1319, 65.0236, 22.2881)
contains.

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Color

**XYZ(65.0946, 64.9713,
22.2066)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCB68
RGB	255, 203, 104
RGB Percent	100%, 80%, 41%
CMY	0.0000, 0.2039, 0.5921
CMYK	0.00, 0.20, 0.59, 0.00
HSL	39°, 100%, 70%
HSV	39°, 59%, 100%
XYZ	65.0946, 64.9713, 22.2066
YIQ	207.2620, 62.7710, -19.7650

Conversions

Conversions Part 2

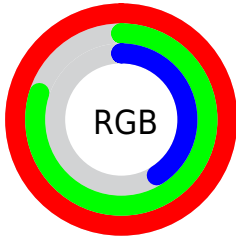
Format	Color
RYB	183, 255, 104
Decimal	16763752
CIELab	84.47, 7.67, 55.50
CIELCh	84, 56.025, 82.127
Yxy	64.9713, 0.4275, 0.4267
Android (android.graphics.Color)	4294953832 (0xFFFFCB68)
YUV	207.2620, -50.9082, 41.8662
Hunter-Lab	80.6048, 3.0942, 40.0890

Details

The XYZ color **65.0946, 64.9713, 22.2066** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.6469, 33.9387, 99.2793**, and the grayscale version is **59.7683, 62.8809, 68.4773**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **33.8730, 33.3449, 7.8997** is the 20% darker color. If you saturate the color by 10%, you get **61.9752, 60.5016, 15.7142**, and if you desaturate by 10%, it is **68.7260, 69.8389, 30.8026**.

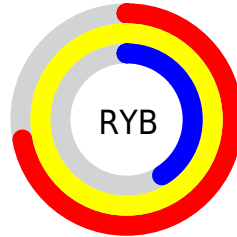
Distribution



Red (100%)

Green (80%)

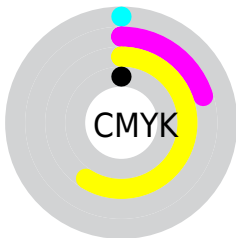
Blue (41%)



Red (72%)

Yellow (100%)

Blue (41%)

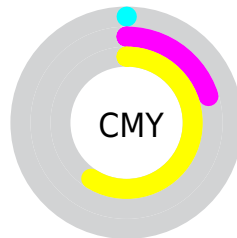


Cyan (0%)

Magenta (20%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0946, 64.9713, 22.2066 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 65.0946, 64.9713, 22.2066 by changing the saturation by 10% instead.


 65.0946, 64.9713,
22.2066

 65.0946, 64.9713,
22.2066


432.6717,
442.6888, 276.6119


 47.8028, 47.4378,
13.8090


 111.2508,
112.0086, 47.9938


 33.8813, 33.3819,
7.8507


 140.8459,
142.2812, 66.2205

 22.9649, 22.4192,
3.9132

 175.2728,
177.5689, 88.5606

 14.6881, 14.1652,
1.5778

 214.8968,
218.2562, 115.4327

 8.6857, 8.2357,
0.2749

260.0834,
264.7275, 147.2554

 4.5922, 4.2461,
0.0000

311.1978,

 2.0423, 1.8122,

317.3671, 184.4471

0.0000

368.6055,
376.5594, 227.4264

■ 0.6576, 0.4947,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.0946, 64.9713,
22.2066

■ 65.0946, 64.9713,
22.2066

■ 61.9752, 60.5016,
15.7142

■ 68.7260, 69.8389,
30.8026

■ 59.3248, 56.4017,
11.1284

■ 72.8988, 75.1113,
41.6674

■ 57.0996, 52.6536,
8.2214

■ 77.6450, 80.8071,
54.9540

■ 55.2322, 49.2271,
6.6483

■ 82.9926, 86.9401,
70.8012

■ 55.0943, 48.9689,
6.5482

■ 88.9676, 93.5236,
89.3368

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.



77.6665, 64.9713, 29.2156



65.0946, 64.9713, 22.2066



53.1584, 64.9713, 24.3057

Triad

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



65.0946, 64.9713, 22.2066



42.1057, 64.9713, 99.8749



82.6703, 64.9713, 121.8022

Complementary

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



65.0946, 64.9713, 22.2066



35.6469, 33.9387, 99.2793

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.



71.2280, 64.9713, 155.2806



65.0946, 64.9713, 22.2066



48.1773, 64.9713, 139.9364

Square

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



65.0946, 64.9713, 22.2066



40.9245, 64.9713, 61.7513



58.5283, 64.9713, 162.8461



88.6671, 64.9713, 80.5671

Rectangle

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



65.0946, 64.9713, 22.2066



47.0313, 64.9713, 31.0701



58.5283, 64.9713, 162.8461



79.2655, 64.9713, 134.8378

Sweetspot

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



65.0961, 64.9744, 22.2079



83.6847, 87.7158, 72.9067



52.2635, 33.5904, 35.5610



17.5606, 18.3796, 14.5396



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.



65.0961, 64.9744, 22.2079



61.4690, 59.7430, 14.7615



71.6511, 89.7336, 26.6414



19.0038, 19.9757, 18.9984



28.9327, 25.8767, 3.4698



2.9190, 2.7233, 0.3718

Inverse Universe

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



35.6469, 33.9387, 99.2793



29.7154, 26.3643, 98.1304



31.7012, 21.6066, 97.1069



17.5144, 18.4003, 22.8785



11.3712, 7.6519, 50.3122



1.2043, 0.9393, 4.9311

Previews

White Background



This preview shows how the XYZ color 65.0946, 64.9713, 22.2066 looks on a white background.

Color Contrast Check

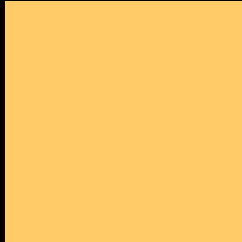
Large Text (above 18pt) WCAG AA × Fail

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 65.0946, 64.9713, 22.2066 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 65.0946, 64.9713, 22.2066

Background



This preview shows how black text looks on a background with the XYZ color 65.0946, 64.9713, 22.2066.



This preview shows how white text looks on a background with the XYZ color 65.0946, 64.9713,

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

65.0946, 64.9713, 22.2066

Protanopia

59.5524, 64.9737, 23.3124

Deuteranopia

65.8734, 64.9062, 27.4686



Tritanopia

72.0176, 64.7952, 67.7425

Trichromacy



Original Color

65.0946, 64.9713, 22.2066

Protanomaly

61.4330, 64.8531, 22.9157

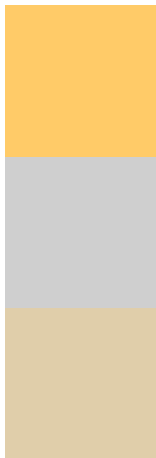
Deuteranomaly

65.4550, 64.7389, 25.2657

Tritanomaly

68.6898, 64.5504, 46.8693

Monochromacy



Original Color

65.0946, 64.9713, 22.2066

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

60.0675, 62.8922, 47.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0946, 64.9713, 22.2066 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, 203, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 104)  
}
```

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, 203, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 104) }
```

Border

The CSS property to change the border of an element to XYZ 65.0946, 64.9713, 22.2066 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, 203, 104) }
```


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

```
.border{ border-color:rgb(255, 203, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0946, 64.9713, 22.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 104) }
```

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

```
.background{ background-color: rgb(255,  
203, 104) }
```

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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