

Converting Colors

XYZ(65.5766, 65.1641, 24.7445)

Have a look what the booklet for XYZ(65.5766, 65.1641, 24.7445) contains.

- XYZ(65.5766, 65.1641, 24.7445) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(65.5766, 65.1641,
24.7445)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCB71
RGB	255, 203, 113
RGB Percent	100%, 80%, 44%
CMY	0.0000, 0.2039, 0.5569
CMYK	0.00, 0.20, 0.56, 0.00
HSL	38°, 100%, 72%
HSV	38°, 56%, 100%
XYZ	65.5766, 65.1641, 24.7445
YIQ	208.2880, 59.8820, -16.9660

Conversions

Conversions Part 2

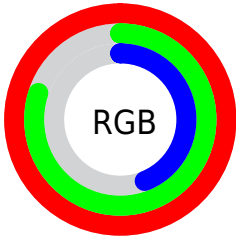
Format	Color
RYB	195, 255, 113
Decimal	16763761
CIELab	84.57, 8.33, 51.34
CIELCh	85, 52.015, 80.784
Yxy	65.1641, 0.4218, 0.4191
Android (android.graphics.Color)	4294953841 (0xFFFFCB71)
YUV	208.2880, -46.9770, 40.9664
Hunter-Lab	80.7243, 3.7375, 38.3328

Details

The XYZ color **65.5766, 65.1641, 24.7445** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.3147, 37.6396, 99.8532**, and the grayscale version is **60.4108, 63.5568, 69.2134**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **34.0954, 33.4339, 9.0712** is the 20% darker color. If you saturate the color by 10%, you get **62.1991, 60.3930, 17.5037**, and if you desaturate by 10%, it is **69.4933, 70.3684, 34.1558**.

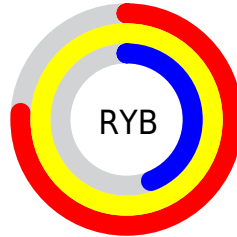
Distribution



Red (100%)

Green (80%)

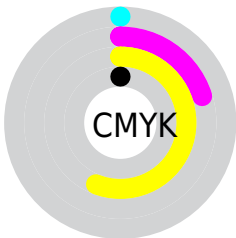
Blue (44%)



Red (76%)

Yellow (100%)

Blue (44%)

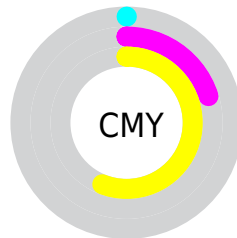


Cyan (0%)

Magenta (20%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5766, 65.1641, 24.7445 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 65.5766, 65.1641, 24.7445 by changing the saturation by 10% instead.


 65.5766, 65.1641,
24.7445


 65.5766, 65.1641,
24.7445


434.3737,
443.3814, 289.9700

 48.1952, 47.5942,
15.6695


 111.9395,
112.2858, 52.2014

 34.1934, 33.5056,
9.1388


 141.6518,
142.6062, 71.4204

 23.2058, 22.5141,
4.7338

 176.2050,
177.9457, 94.8578

 14.8671, 14.2351,
2.0359

215.9646,
218.6885, 122.9322

 8.8119, 8.2844,
0.5772

261.2959,
265.2191, 156.0620

 4.6748, 4.2774,
0.0000

312.5643,

 2.0905, 1.8299,

317.9219, 194.6659

0.0000

370.1351,
377.1812, 239.1624

■ 0.6841, 0.5057,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.5766, 65.1641,
24.7445

■ 65.5766, 65.1641,
24.7445

■ 62.1991, 60.3930,
17.5037

■ 69.4933, 70.3684,
34.1558

■ 59.3191, 56.0271,
12.2457

■ 73.9774, 76.0134,
45.8962

■ 56.8952, 52.0487,
8.7573

■ 79.0607, 82.1176,
60.1140

■ 54.8746, 48.4326,
6.7729

■ 84.7705, 88.6955,
76.9438

■ 54.0951, 46.9704,
6.2151

■ 91.1326, 95.7607,
96.5105

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.



77.1297, 65.1641, 32.0881



65.5766, 65.1641, 24.7445



54.3571, 65.1641, 26.4318

Triad

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



65.5766, 65.1641, 24.7445



43.3424, 65.1641, 96.1081



80.8664, 65.1641, 119.4657

Complementary

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



65.5766, 65.1641, 24.7445



38.3147, 37.6396, 99.8532

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.



70.1897, 65.1641, 148.9603



65.5766, 65.1641, 24.7445



48.8823, 65.1641, 132.8134

Square

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



65.5766, 65.1641, 24.7445



42.4322, 65.1641, 61.2090



58.4337, 65.1641, 154.4886



86.6544, 65.1641, 81.6790

Rectangle

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



65.5766, 65.1641, 24.7445



48.4844, 65.1641, 32.7541



58.4337, 65.1641, 154.4886



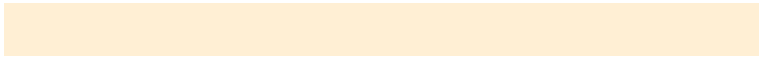
77.6717, 65.1641, 131.1155

Sweetspot

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



65.5782, 65.1672, 24.7458



83.9833, 87.8033, 74.5775



53.9430, 35.7899, 39.6949



17.7230, 18.5051, 15.2081



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.



65.5782, 65.1672, 24.7458



61.7930, 59.7962, 16.7033



73.3549, 90.5564, 29.2365



18.9693, 19.9067, 18.9869



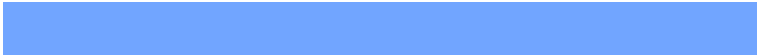
28.4133, 24.8377, 3.2966



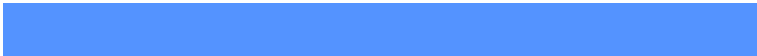
2.8707, 2.6268, 0.3557

Inverse Universe

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



38.3147, 37.6396, 99.8532



32.1079, 29.8884, 98.6845



33.4610, 23.9312, 97.4630



17.5476, 18.4668, 22.8895



11.6234, 8.1563, 50.3963



1.2316, 0.9938, 4.9402

Previews

White Background



This preview shows how the XYZ color 65.5766, 65.1641, 24.7445 looks on a white background.

Color Contrast Check

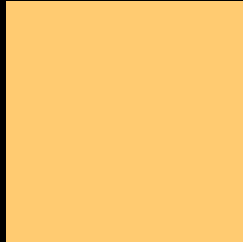
Large Text (above 18pt) WCAG AA × Fail

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 65.5766, 65.1641, 24.7445 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 65.5766, 65.1641, 24.7445

Background



This preview shows how black text looks on a background with the XYZ color 65.5766, 65.1641, 24.7445.



This preview shows how white text looks on a background with the XYZ color 65.5766, 65.1641,

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

65.5766, 65.1641, 24.7445

Protanopia

59.7254, 65.0053, 25.9224

Deuteranopia

66.1264, 65.0074, 28.8011



Tritanopia

72.3651, 65.2939, 68.4634

Trichromacy



Original Color

65.5766, 65.1641, 24.7445

Protanomaly

61.5856, 64.8748, 25.4958

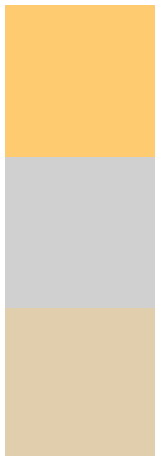
Deuteranomaly

65.8117, 64.8815, 27.1439

Tritanomaly

69.2062, 65.1240, 48.4578

Monochromacy



Original Color

65.5766, 65.1641, 24.7445

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.6655, 63.1673, 48.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5766, 65.1641, 24.7445 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 113) }
```

Border

The CSS property to change the border of an element to XYZ 65.5766, 65.1641, 24.7445 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, 113) }
```


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

```
.border{ border-color:rgb(255, 203, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5766, 65.1641, 24.7445 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
203, 113) }
```

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