

Converting Colors

XYZ(90.8605, 78.3727, 26.3987)

Have a look what the booklet for
XYZ(90.8605, 78.3727, 26.3987)
contains.

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Color

**XYZ(65.8701, 65.6606,
25.1216)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC72
RGB	255, 204, 114
RGB Percent	100%, 80%, 45%
CMY	0.0000, 0.2000, 0.5529
CMYK	0.00, 0.20, 0.55, 0.00
HSL	38°, 100%, 72%
HSV	38°, 55%, 100%
XYZ	65.8701, 65.6606, 25.1216
YIQ	208.9890, 59.2860, -17.1780

Conversions

Conversions Part 2

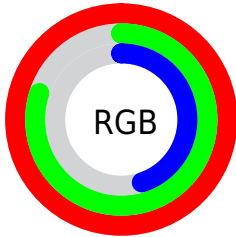
Format	Color
RYB	194, 255, 114
Decimal	16764018
CIELab	84.82, 7.89, 51.17
CIElCh	85, 51.771, 81.233
Yxy	65.6606, 0.4205, 0.4191
Android (android.graphics.Color)	4294954098 (0xFFFFCC72)
YUV	208.9890, -46.8296, 40.3516
Hunter-Lab	81.0312, 3.2976, 38.3406

Details

The XYZ color **65.8701, 65.6606, 25.1216** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4440, 37.7061, 99.8591**, and the grayscale version is **60.8674, 64.0373, 69.7366**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **34.2815, 33.7626, 9.2674** is the 20% darker color. If you saturate the color by 10%, you get **62.4890, 60.9065, 17.8046**, and if you desaturate by 10%, it is **69.7887, 70.8425, 34.6147**.

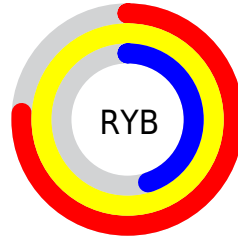
Distribution



Red (100%)

Green (80%)

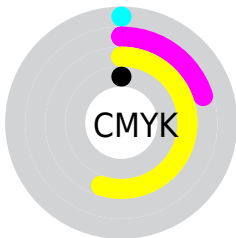
Blue (45%)



Red (76%)

Yellow (100%)

Blue (45%)

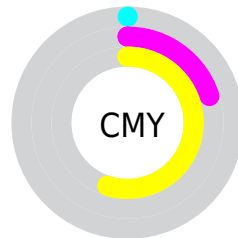


Cyan (0%)

Magenta (20%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8701, 65.6606, 25.1216 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 65.8701, 65.6606, 25.1216 by changing the saturation by 10% instead.


 65.8701, 65.6606,
25.1216


 65.8701, 65.6606,
25.1216


435.4081,
445.1621, 291.9100


 48.4343, 47.9969,
15.9478


 112.3586,
112.9991, 52.8210

 34.3836, 33.8245,
9.3333


 142.1421,
143.4427, 72.1837

 23.3527, 22.7588,
4.8594


 176.7721,
178.9150, 95.7798

 14.9763, 14.4155,
2.1077

216.6140,
219.8005, 124.0278

 8.8890, 8.4102,
0.6204

262.0332,
266.4836, 157.3463

 4.7254, 4.3585,
0.0000

313.3951,

 2.1201, 1.8761,

319.3486, 196.1538

0.0000

371.0649,
378.7800, 240.8689

■ 0.7001, 0.5339,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8701, 65.6606,
25.1216

■ 65.8701, 65.6606,
25.1216

■ 62.4890, 60.9065,
17.8046

■ 69.7887, 70.8425,
34.6147

■ 59.6039, 56.5524,
12.4772

■ 74.2729, 76.4592,
46.4420

■ 57.1737, 52.5807,
8.9276

■ 79.3539, 82.5292,
60.7509

■ 55.1464, 48.9670,
6.8929

■ 85.0592, 89.0668,
77.6758

■ 54.2974, 47.3750,
6.2825

■ 91.4145, 96.0855,
97.3413

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.



77.4419, 65.6606, 32.3587



65.8701, 65.6606, 25.1216



54.6744, 65.6606, 26.9519

Triad

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



65.8701, 65.6606, 25.1216



43.8417, 65.6606, 97.2116



81.4640, 65.6606, 119.4126

Complementary

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



65.8701, 65.6606, 25.1216



38.4440, 37.7061, 99.8591

Split Complementary

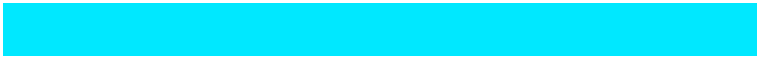
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8395, 65.6606, 149.0921



65.8701, 65.6606, 25.1216



49.4585, 65.6606, 133.7581

Square

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



65.8701, 65.6606, 25.1216



42.8586, 65.6606, 62.1924



59.0702, 65.6606, 155.0288



87.1489, 65.6606, 81.6780

Rectangle

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



65.8701, 65.6606, 25.1216



48.8316, 65.6606, 33.4114



59.0702, 65.6606, 155.0288



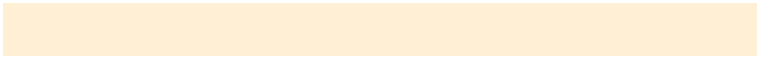
78.2939, 65.6606, 131.0934

Sweetspot

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



65.8717, 65.6638, 25.1229



84.0404, 87.9176, 74.5965



54.1130, 36.0373, 40.0368



17.7365, 18.5322, 15.2126



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.



65.8717, 65.6638, 25.1229



62.2694, 60.5859, 17.3650



73.4557, 90.6017, 29.5367



18.9764, 19.9209, 18.9893



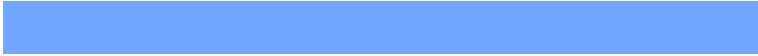
28.5185, 25.0482, 3.3317



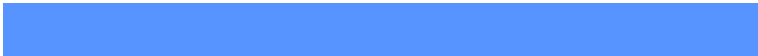
2.8805, 2.6464, 0.3590

Inverse Universe

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



38.4440, 37.7061, 99.8591



32.4747, 30.2761, 98.7400



33.7092, 24.2256, 97.5067



17.5407, 18.4531, 22.8873



11.5699, 8.0495, 50.3785



1.2258, 0.9823, 4.9383

Previews

White Background



This preview shows how the XYZ color 65.8701, 65.6606, 25.1216 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 65.8701, 65.6606, 25.1216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

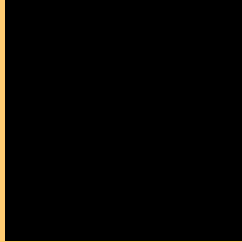
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8701, 65.6606, 25.1216

Background



This preview shows how black text looks on a background with the XYZ color 65.8701, 65.6606, 25.1216.



This preview shows how white text looks on a background with the XYZ color 65.8701, 65.6606,

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

65.8701, 65.6606, 25.1216

Protanopia

60.3586, 65.6950, 26.3288

Deuteranopia

66.5584, 65.5569, 29.9146



Tritanopia

72.7149, 65.7960, 69.1890

Trichromacy



Original Color

65.8701, 65.6606, 25.1216

Protanomaly

62.2285, 65.5627, 25.8981

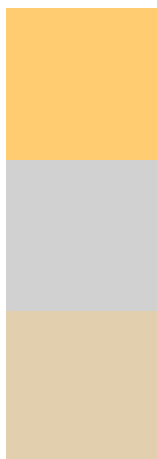
Deuteranomaly

66.2340, 65.4271, 28.2066

Tritanomaly

69.5343, 65.6245, 49.0464

Monochromacy



Original Color

65.8701, 65.6606, 25.1216

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.3168, 63.8504, 49.1370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8701, 65.6606, 25.1216 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 114) }
```

Border

The CSS property to change the border of an element to XYZ 65.8701, 65.6606, 25.1216 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, 114) }
```


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

```
.border{ border-color:rgb(255, 204, 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, 204, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8701, 65.6606, 25.1216 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, 114) }
```

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

```
.background{ background-color: rgb(255,  
204, 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](#).

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