

Converting Colors

XYZ(67.7848, 65.1500, 39.1396)

Have a look what the booklet for
XYZ(67.7848, 65.1500, 39.1396)
contains.

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Color

**XYZ(67.8764, 65.3332,
39.1701)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC999
RGB	255, 201, 153
RGB Percent	100%, 79%, 60%
CMY	0.0000, 0.2117, 0.4000
CMYK	0.00, 0.21, 0.40, 0.00
HSL	28°, 100%, 80%
HSV	28°, 40%, 100%
XYZ	67.8764, 65.3332, 39.1701
YIQ	211.6740, 47.5920, -3.4800

Conversions

Conversions Part 2

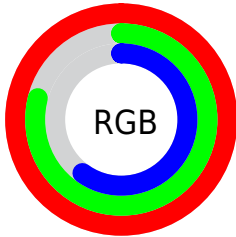
Format	Color
R_{YB}	255, 244, 153
Decimal	16763289
CIE _{Lab}	84.66, 13.06, 31.30
CIE _{LCh}	85, 33.917, 67.349
Yxy	65.3332, 0.3938, 0.3790
Android (android.graphics.Color)	4294953369 (0xFFFFC999)
YUV	211.6740, -28.9263, 37.9969
Hunter-Lab	80.8290, 8.4453, 27.8480

Details

The XYZ color **67.8764, 65.3332, 39.1701** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.4988, 58.6158, 103.1019**, and the grayscale version is **62.5281, 65.7844, 71.6392**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **35.5476, 33.5428, 16.9128** is the 20% darker color. If you saturate the color by 10%, you get **62.9818, 58.5620, 28.2347**, and if you desaturate by 10%, it is **73.5009, 72.8438, 52.5705**.

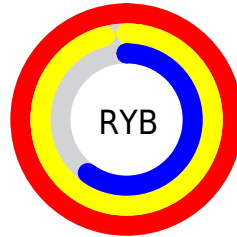
Distribution



Red (100%)

Green (79%)

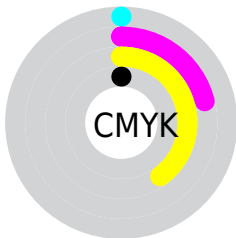
Blue (60%)



Red (100%)

Yellow (96%)

Blue (60%)

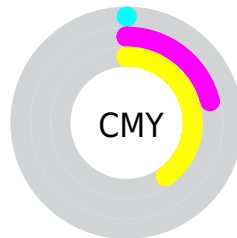


Cyan (0%)

Magenta (21%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8764, 65.3332, 39.1701 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 67.8764, 65.3332, 39.1701 by changing the saturation by 10% instead.


 67.8764, 65.3332,
39.1701

 67.8764, 65.3332,
39.1701


442.4416,
443.9884, 358.0607

 50.0705, 47.7313,
26.5832


 115.2182,
112.5288, 75.1213

 35.6874, 33.6142,
17.0308


 145.4848,
142.8912, 99.3227

 24.3619, 22.5973,
10.0943


180.6357,
178.2760, 128.2327

 15.7285, 14.2965,
5.3551

221.0362,
219.0675, 162.2699

 9.4218, 8.3272,
2.3947

267.0516,
265.6501, 201.8527

 5.0766, 4.3050,
0.7836

319.0475,

 2.3275, 1.8456,

318.4081, 247.3998

0.0000

377.3890,
377.7261, 299.3296

■ 0.8087, 0.5154,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8764, 65.3332,
39.1701

■ 67.8764, 65.3332,
39.1701

■ 62.9818, 58.5620,
28.2347

■ 73.5009, 72.8438,
52.5705

■ 58.7762, 52.4951,
19.6056

■ 79.8837, 81.1085,
68.5731

■ 55.2215, 47.1079,
13.1116

■ 87.0572, 90.1536,
87.3096

■ 52.2732, 42.3703,
8.5554

95.0499, 100.0000,
108.9000

■ 49.8789, 38.2484,
5.7021

■ 47.9582, 34.6966,
4.1695

■ 47.9581, 34.6963,
4.1694

Harmonies

Analogous

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



74.4090, 65.3332, 48.7148



67.8764, 65.3332, 39.1701



60.2529, 65.3332, 37.2706

Triad

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



67.8764, 65.3332, 39.1701



48.7443, 65.3332, 76.6065



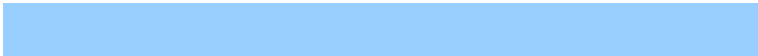
71.3582, 65.3332, 109.7115

Complementary

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



67.8764, 65.3332, 39.1701



53.4988, 58.6158, 103.1019

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.



63.9789, 65.3332, 121.0392



67.8764, 65.3332, 39.1701



51.2245, 65.3332, 99.5591

Square

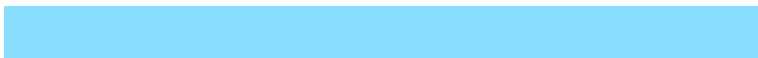
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8764, 65.3332, 39.1701



49.6033, 65.3332, 56.2528



56.6558, 65.3332, 116.9886



76.5305, 65.3332, 88.4387

Rectangle

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



67.8764, 65.3332, 39.1701



55.6440, 65.3332, 40.1490



56.6558, 65.3332, 116.9886



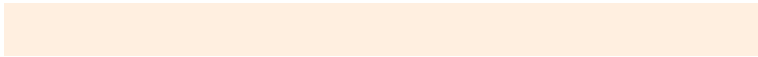
69.0311, 65.3332, 114.9867

Sweetspot

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



67.8780, 65.3363, 39.1714



85.5574, 88.2805, 83.3363



63.9430, 48.5677, 65.2930



18.1069, 18.6376, 17.2952



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.



67.8780, 65.3363, 39.1714



63.9043, 59.8590, 30.2315



81.6748, 92.9297, 43.7703



18.7143, 19.3968, 18.9019



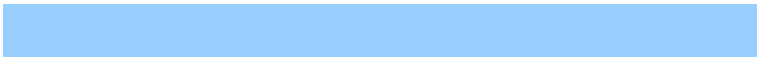
25.2058, 18.4229, 2.2275



2.5625, 2.0104, 0.2530

Inverse Universe

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



53.4988, 58.6158, 103.1019



47.7155, 52.2854, 102.1850



43.1432, 37.9045, 99.6500



17.7990, 18.9697, 22.9734



14.1085, 13.1265, 51.2247



1.4831, 1.4969, 5.0240

Previews

White Background



This preview shows how the XYZ color 67.8764, 65.3332, 39.1701 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 67.8764, 65.3332, 39.1701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

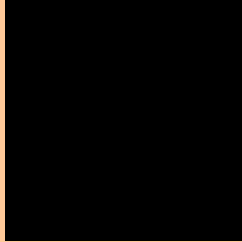
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8764, 65.3332, 39.1701

Background



This preview shows how black text looks on a background with the XYZ color 67.8764, 65.3332, 39.1701.



This preview shows how white text looks on a background with the XYZ color 67.8764, 65.3332, 39.1701.

39.1701.

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

67.8764, 65.3332, 39.1701

Protanopia

61.1444, 65.3880, 41.7463

Deuteranopia

66.8894, 65.5210, 39.2584



Tritanopia

72.4886, 65.3433, 69.1136

Trichromacy



Original Color

67.8764, 65.3332, 39.1701

Protanomaly

63.2386, 65.0305, 40.6716

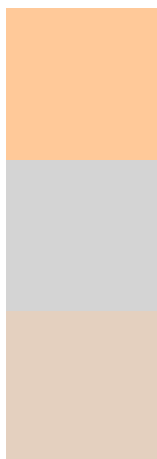
Deuteranomaly

67.0152, 65.2364, 39.1968

Tritanomaly

70.6194, 65.3223, 57.0305

Monochromacy



Original Color

67.8764, 65.3332, 39.1701

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.9548, 65.3673, 58.5366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8764, 65.3332, 39.1701 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, 201, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 153)  
}
```

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, 201, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 153) }
```

Border

The CSS property to change the border of an element to XYZ 67.8764, 65.3332, 39.1701 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, 201, 153) }
```


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

```
.border{ border-color:rgb(255, 201, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8764, 65.3332, 39.1701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 153) }
```

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

```
.background{ background-color: rgb(255,  
201, 153) }
```

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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