

Converting Colors

XYZ(73.7986, 71.3632, 32.3587)

Have a look what the booklet for
XYZ(73.7986, 71.3632, 32.3587)
contains.

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Color

**XYZ(68.3435, 68.5822,
32.1898)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD186
RGB	255, 209, 134
RGB Percent	100%, 82%, 53%
CMY	0.0000, 0.1804, 0.4745
CMYK	0.00, 0.18, 0.47, 0.00
HSL	37°, 100%, 76%
HSV	37°, 47%, 100%
XYZ	68.3435, 68.5822, 32.1898
YIQ	214.2040, 51.4910, -13.5730

Conversions

Conversions Part 2

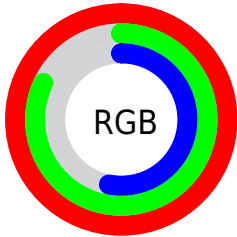
Format	Color
R _Y B	208, 255, 134
Decimal	16765318
CIE Lab	86.30, 7.01, 43.14
CIE LCh	86, 43.705, 80.772
Yxy	68.5822, 0.4041, 0.4055
Android (android.graphics.Color)	4294955398 (0xFFFFD186)
YUV	214.2040, -39.5406, 35.7781
Hunter-Lab	82.8144, 2.3840, 34.9241

Details

The XYZ color **68.3435, 68.5822, 32.1898** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.2020, 44.9289, 100.9498**, and the grayscale version is **64.2891, 67.6371, 73.6569**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **36.0476, 35.8030, 13.1944** is the 20% darker color. If you saturate the color by 10%, you get **64.4691, 63.3448, 23.1568**, and if you desaturate by 10%, it is **72.7947, 74.2870, 43.5319**.

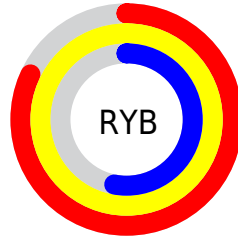
Distribution



Red (100%)

Green (82%)

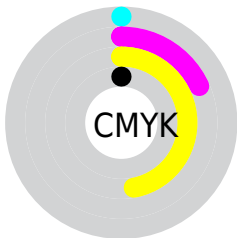
Blue (53%)



Red (82%)

Yellow (100%)

Blue (53%)

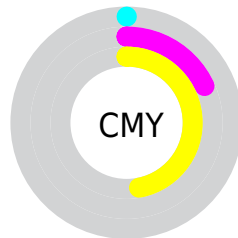


Cyan (0%)

Magenta (18%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3435, 68.5822, 32.1898 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 68.3435, 68.5822, 32.1898 by changing the saturation by 10% instead.


 68.3435, 68.5822,
32.1898

 68.3435, 68.5822,
32.1898


444.0698,
455.5560, 326.5023


 50.4519, 50.3715,
21.2405


 115.8826,
117.1846, 64.2099

 35.9919, 35.7087,
13.1070


 146.2609,
148.3452, 86.1177

 24.5980, 24.2093,
7.3706


 181.5321,
184.5912, 112.5155

 15.9049, 15.4890,
3.6130

222.0616,
226.3069, 143.8218

 9.5473, 9.1633,
1.4155

268.2148,
273.8769, 180.4550

 5.1598, 4.8478,
0.1538

320.3570,

 2.3771, 2.1583,

327.6855, 222.8338

0.0000

378.8535,
388.1171, 271.3767

■ 0.8337, 0.6971,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3435, 68.5822,
32.1898

■ 68.3435, 68.5822,
32.1898

■ 64.4691, 63.3448,
23.1568

■ 72.7947, 74.2870,
43.5319

■ 61.1327, 58.5474,
16.2628

■ 77.8485, 80.4658,
57.3285

■ 58.2977, 54.1739,
11.3209

■ 83.5347, 87.1369,
73.7175

■ 55.9194, 50.2020,
8.1093

■ 89.8797, 94.3147,
92.8257

■ 53.9405, 46.6043,
6.3393

95.0498, 99.9999,
108.9000

■ 53.4788, 45.7378,
6.0096

Harmonies

Analogous

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



78.2281, 68.5822, 39.3988



68.3435, 68.5822, 32.1898



58.5499, 68.5822, 33.8671

Triad

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



68.3435, 68.5822, 32.1898



48.6896, 68.5822, 96.1423



81.3827, 68.5822, 115.5702

Complementary

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



68.3435, 68.5822, 32.1898



44.2020, 44.9289, 100.9498

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.



72.3040, 68.5822, 139.5331



68.3435, 68.5822, 32.1898



53.6794, 68.5822, 126.4585

Square

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



68.3435, 68.5822, 32.1898



47.8637, 68.5822, 66.1209



62.1260, 68.5822, 143.9631



86.2507, 68.5822, 83.9353

Rectangle

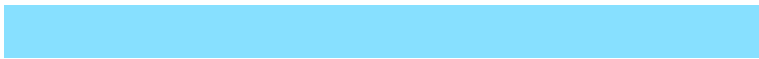
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3435, 68.5822, 32.1898



53.3288, 68.5822, 40.0296



62.1260, 68.5822, 143.9631



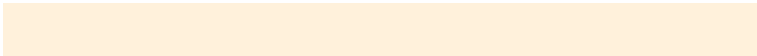
78.6806, 68.5822, 125.0979

Sweetspot

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



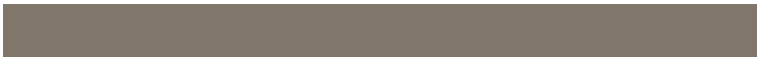
68.3452, 68.5855, 32.1912



85.6484, 89.5557, 79.9969



58.0427, 41.6217, 48.3602



18.0474, 18.8434, 16.2739



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.



68.3452, 68.5855, 32.1912



64.6320, 63.5713, 23.5161



76.2988, 91.9212, 36.2762



18.9473, 19.8627, 18.9796



28.0926, 24.1964, 3.1897



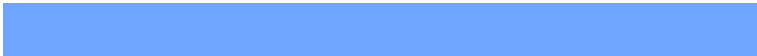
2.8408, 2.5669, 0.3457

Inverse Universe

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



44.2020, 44.9289, 100.9498



37.8739, 37.3866, 99.8279



38.8095, 30.5777, 98.4639



17.5689, 18.5094, 22.8966



11.7942, 8.4979, 50.4532



1.2498, 1.0302, 4.9463

Previews

White Background



This preview shows how the XYZ color 68.3435, 68.5822, 32.1898 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 68.3435, 68.5822, 32.1898 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 68.3435, 68.5822, 32.1898

Background



This preview shows how black text looks on a background with the XYZ color 68.3435, 68.5822, 32.1898.



This preview shows how white text looks on a background with the XYZ color 68.3435, 68.5822,

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

68.3435, 68.5822, 32.1898

Protanopia

63.3322, 68.5800, 33.5662

Deuteranopia

69.3009, 68.5738, 38.4377



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

68.3435, 68.5822, 32.1898

Protanomaly

64.8561, 68.2433, 33.0465

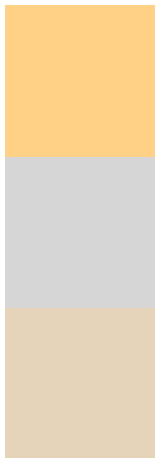
Deuteranomaly

68.8299, 68.3854, 35.9575

Tritanomaly

71.9342, 68.4678, 55.8786

Monochromacy



Original Color

68.3435, 68.5822, 32.1898

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.6135, 67.2478, 55.4736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3435, 68.5822, 32.1898 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, 209, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 134)  
}
```

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, 209, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 134) }
```

Border

The CSS property to change the border of an element to XYZ 68.3435, 68.5822, 32.1898 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, 209, 134) }
```


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

```
.border{ border-color:rgb(255, 209, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3435, 68.5822, 32.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 134) }
```

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

```
.background{ background-color: rgb(255,  
209, 134) }
```

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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