

Converting Colors

XYZ(73.1912, 71.1259, 32.6968)

Have a look what the booklet for
XYZ(73.1912, 71.1259, 32.6968)
contains.

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Color

**XYZ(68.4136, 68.6102,
32.5590)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD187
RGB	255, 209, 135
RGB Percent	100%, 82%, 53%
CMY	0.0000, 0.1804, 0.4706
CMYK	0.00, 0.18, 0.47, 0.00
HSL	37°, 100%, 76%
HSV	37°, 47%, 100%
XYZ	68.4136, 68.6102, 32.5590
YIQ	214.3180, 51.1700, -13.2620

Conversions

Conversions Part 2

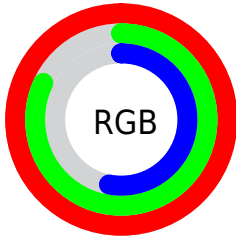
Format	Color
R _Y B	210, 255, 135
Decimal	16765319
CIE _{Lab}	86.31, 7.10, 42.66
CIE _{LCh}	86, 43.243, 80.547
Y _{xy}	68.6102, 0.4034, 0.4046
Android (android.graphics.Color)	4294955399 (0xFFFFD187)
YUV	214.3180, -39.1038, 35.6781
Hunter-Lab	82.8313, 2.4754, 34.6764

Details

The XYZ color **68.4136, 68.6102, 32.5590** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.5649, 45.4168, 101.0249**, and the grayscale version is **64.3634, 67.7153, 73.7419**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **36.0865, 35.8185, 13.3992** is the 20% darker color. If you saturate the color by 10%, you get **64.5044, 63.3290, 23.4342**, and if you desaturate by 10%, it is **72.9033, 74.3641, 43.9998**.

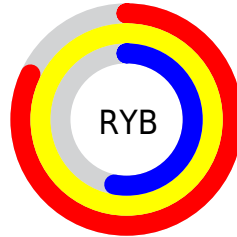
Distribution



Red (100%)

Green (82%)

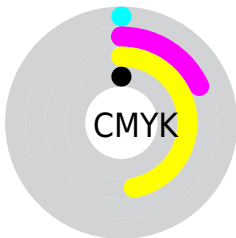
Blue (53%)



Red (82%)

Yellow (100%)

Blue (53%)

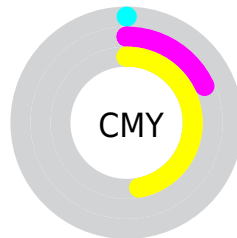


Cyan (0%)

Magenta (18%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4136, 68.6102, 32.5590 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 68.4136, 68.6102, 32.5590 by changing the saturation by 10% instead.


 68.4136, 68.6102,
32.5590

 68.4136, 68.6102,
32.5590


444.3138,
455.6550, 328.2287


 50.5092, 50.3943,
21.5205


 115.9823,
117.2247, 64.7945

 36.0376, 35.7268,
13.3100


 146.3773,
148.3920, 86.8285

 24.6335, 24.2233,
7.5092


 181.6665,
184.6453, 113.3647

 15.9315, 15.4993,
3.6993

222.2154,
226.3690, 144.8218

 9.5662, 9.1706,
1.4619

268.3892,
273.9474, 181.6182

 5.1724, 4.8526,
0.1893

320.5533,

 2.3845, 2.1610,

327.7649, 224.1724

0.0000

379.0730,
388.2060, 272.9031

■ 0.8374, 0.6986,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4136, 68.6102,
32.5590

■ 68.4136, 68.6102,
32.5590

■ 64.5044, 63.3290,
23.4342

■ 72.9033, 74.3641,
43.9998

■ 61.1367, 58.4932,
16.4561

■ 77.9991, 80.5973,
57.9015

■ 58.2743, 54.0863,
11.4386

■ 83.7308, 87.3284,
74.4016

■ 55.8726, 50.0862,
8.1618

■ 90.1248, 94.5717,
93.6265

■ 53.8757, 46.4659, 95.0498, 99.9999,
6.3447 108.9000

■ 53.3413, 45.4628,
5.9638

Harmonies

Analogous

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



78.1774, 68.6102, 39.8059



68.4136, 68.6102, 32.5590



58.7079, 68.6102, 34.1650

Triad

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



68.4136, 68.6102, 32.5590



48.8475, 68.6102, 95.6945



81.1745, 68.6102, 115.3373

Complementary

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



68.4136, 68.6102, 32.5590



44.5649, 45.4168, 101.0249

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.



72.1794, 68.6102, 138.8634



68.4136, 68.6102, 32.5590



53.7656, 68.6102, 125.6639

Square

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



68.4136, 68.6102, 32.5590



48.0601, 68.6102, 66.0400



62.1118, 68.6102, 143.0611



86.0246, 68.6102, 84.0962

Rectangle

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



68.4136, 68.6102, 32.5590



53.5192, 68.6102, 40.2509



62.1118, 68.6102, 143.0611



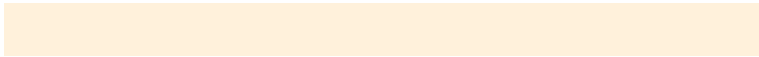
78.4946, 68.6102, 124.7123

Sweetspot

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



68.4153, 68.6135, 32.5604



85.6149, 89.4886, 79.9857



58.2447, 41.9248, 48.7392



18.0392, 18.8270, 16.2712



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.



68.4153, 68.6135, 32.5604



64.8920, 63.8668, 24.2950



76.4088, 91.9698, 36.6473



18.9423, 19.8527, 18.9779



28.0210, 24.0532, 3.1659



2.8341, 2.5535, 0.3435

Inverse Universe

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



44.5649, 45.4168, 101.0249



38.5640, 38.2907, 99.9660



39.1090, 30.9383, 98.5178



17.5737, 18.5190, 22.8982



11.8340, 8.5776, 50.4665



1.2540, 1.0386, 4.9477

Previews

White Background



This preview shows how the XYZ color 68.4136, 68.6102, 32.5590 looks on a white background.

Color Contrast Check

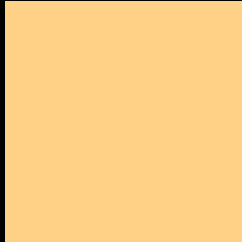
Large Text (above 18pt) WCAG AA × Fail

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 68.4136, 68.6102, 32.5590 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 68.4136, 68.6102, 32.5590

Background



This preview shows how black text looks on a background with the XYZ color 68.4136, 68.6102, 32.5590.



This preview shows how white text looks on a background with the XYZ color 68.4136, 68.6102,

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

68.4136, 68.6102, 32.5590

Protanopia

63.4043, 68.6089, 33.9458

Deuteranopia

69.3818, 68.6061, 38.8636



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

68.4136, 68.6102, 32.5590

Protanomaly

64.9276, 68.2719, 33.4227

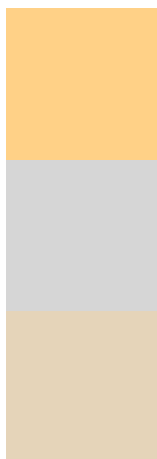
Deuteranomaly

68.9067, 68.4161, 36.3619

Tritanomaly

71.9342, 68.4678, 55.8786

Monochromacy



Original Color

68.4136, 68.6102, 32.5590

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 68.4136, 68.6102, 32.5590 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 135) }
```

Border

The CSS property to change the border of an element to XYZ 68.4136, 68.6102, 32.5590 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, 135) }
```


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

```
.border{ border-color:rgb(255, 209, 135) }
```

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, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4136, 68.6102, 32.5590 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, 135) }
```

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

```
.background{ background-color: rgb(255,  
209, 135) }
```

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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