

Converting Colors

XYZ(78.5673, 70.3902, 33.2615)

Have a look what the booklet for
XYZ(78.5673, 70.3902, 33.2615)
contains.

XYZ(66.1788, 63.9130, 32.5154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.1788, 63.9130,
32.5154)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC789
RGB	255, 199, 137
RGB Percent	100%, 78%, 54%
CMY	0.0000, 0.2196, 0.4627
CMYK	0.00, 0.22, 0.46, 0.00
HSL	32°, 100%, 77%
HSV	32°, 46%, 100%
XYZ	66.1788, 63.9130, 32.5154
YIQ	208.6760, 53.2780, -7.4100

Conversions

Conversions Part 2

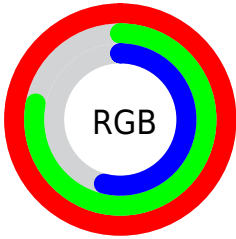
Format	Color
R_{YB}	244, 255, 137
Decimal	16762761
CIE _{Lab}	83.92, 12.47, 38.59
CIE _{LCh}	84, 40.560, 72.092
Yxy	63.9130, 0.4070, 0.3931
Android (android.graphics.Color)	4294952841 (0xFFFFC789)
YUV	208.6760, -35.3363, 40.6261
Hunter-Lab	79.9456, 7.8571, 31.8476

Details

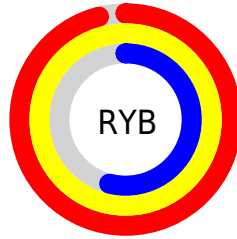
The XYZ color **66.1788, 63.9130, 32.5154** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.4358, 50.6764, 101.8889**, and the grayscale version is **60.5932, 63.7488, 69.4224**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **34.5701, 32.6584, 13.2858** is the 20% darker color. If you saturate the color by 10%, you get **61.8873, 57.9196, 23.1021**, and if you desaturate by 10%, it is **71.1271, 70.5282, 44.2814**.

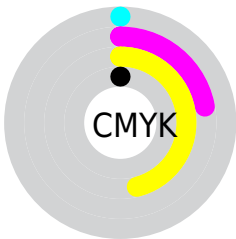
Distribution



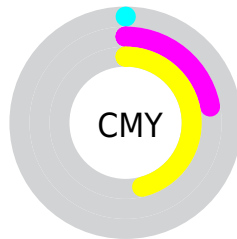
- Red (100%)
- Green (78%)
- Blue (54%)



- Red (96%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (22%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.1788, 63.9130, 32.5154 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 66.1788, 63.9130, 32.5154 by changing the saturation by 10% instead.


 66.1788, 63.9130,
32.5154

 66.1788, 63.9130,
32.5154


436.4946,
438.8754, 328.0252


 48.6858, 46.5802,
21.4874


 112.7992,
110.4856, 64.7255

 34.5838, 32.7039,
13.2860


 142.6574,
140.4943, 86.7446

 23.5075, 21.8997,
7.4928


 177.3679,
175.4970, 113.2646

 15.0914, 13.7832,
3.6891

217.2963,
215.8781, 144.7039

 8.9703, 7.9701,
1.4564

262.8078,
262.0222, 181.4810

 4.7788, 4.0758,
0.1851

314.2678,

 2.1515, 1.7161,

314.3135, 224.0146

0.0000

372.0416,
373.1364, 272.7232

■ 0.7170, 0.4340,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1788, 63.9130,
32.5154

■ 66.1788, 63.9130,
32.5154

■ 61.8873, 57.9196,
23.1021

■ 71.1271, 70.5282,
44.2814

■ 58.2119, 52.5163,
15.8731

■ 76.7604, 77.7772,
58.5449

■ 55.1138, 47.6814,
10.6435

■ 83.1106, 85.6828,
75.4435

■ 52.5464, 43.3876,
7.1954

■ 90.2060, 94.2637,
95.1033

■ 50.4530, 39.6028, 95.0499, 100.0000,
5.2578 108.9000

■ 49.7644, 38.3089,
4.7715

Harmonies

Analogous

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



74.3937, 63.9130, 41.5689



66.1788, 63.9130, 32.5154



57.2225, 63.9130, 31.7445

Triad

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



66.1788, 63.9130, 32.5154



45.4637, 63.9130, 80.4033



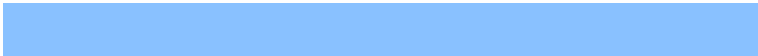
72.9933, 63.9130, 112.8074

Complementary

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



66.1788, 63.9130, 32.5154



47.4358, 50.6764, 101.8889

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.



64.4141, 63.9130, 129.5645



66.1788, 63.9130, 32.5154



48.8811, 63.9130, 108.0113

Square

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



66.1788, 63.9130, 32.5154



45.8362, 63.9130, 55.5448



55.6216, 63.9130, 127.6210



78.5854, 63.9130, 85.8242

Rectangle

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



66.1788, 63.9130, 32.5154



52.0779, 63.9130, 35.7029



55.6216, 63.9130, 127.6210



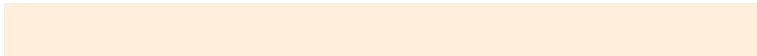
70.3293, 63.9130, 120.0890

Sweetspot

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



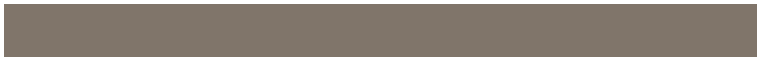
66.1804, 63.9161, 32.5167



84.6575, 87.5739, 79.6666



59.9273, 43.0485, 56.2098



17.8058, 18.3601, 16.1934



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.



66.1804, 63.9161, 32.5167



61.9965, 58.0758, 23.3299



80.7955, 94.2149, 37.5946



18.7994, 19.5669, 18.9303



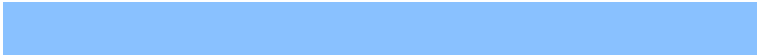
26.1537, 20.3187, 2.5435



2.6559, 2.1972, 0.2841

Inverse Universe

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



47.4358, 50.6764, 101.8889



41.0713, 43.3053, 100.8018



37.6382, 30.5982, 98.5298



17.7140, 18.7995, 22.9450



13.1516, 11.2127, 50.9057



1.3890, 1.3086, 4.9927

Previews

White Background



This preview shows how the XYZ color 66.1788, 63.9130, 32.5154 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 66.1788, 63.9130, 32.5154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

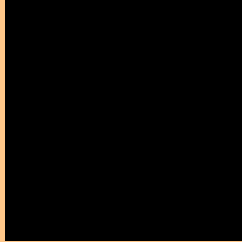
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.1788, 63.9130, 32.5154

Background



This preview shows how black text looks on a background with the XYZ color 66.1788, 63.9130, 32.5154.



This preview shows how white text looks on a background with the XYZ color 66.1788, 63.9130,

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

66.1788, 63.9130, 32.5154

Protanopia

59.2867, 63.8549, 34.3998

Deuteranopia

65.3145, 63.8101, 32.5411



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

66.1788, 63.9130, 32.5154

Protanomaly

61.4900, 63.5606, 33.8385

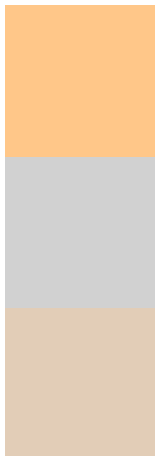
Deuteranomaly

65.6776, 63.9973, 32.5580

Tritanomaly

69.0956, 63.6264, 52.3555

Monochromacy



Original Color

66.1788, 63.9130, 32.5154

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.7426, 63.2503, 53.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1788, 63.9130, 32.5154 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, 199, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 137)  
}
```

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, 199, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 137) }
```

Border

The CSS property to change the border of an element to XYZ 66.1788, 63.9130, 32.5154 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, 199, 137) }
```


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

```
.border{ border-color:rgb(255, 199, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 199, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 199, 137); box-shadow:4px 4px 4px 4px rgb(255, 199, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1788, 63.9130, 32.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 137) }
```

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

```
.background{ background-color: rgb(255,  
199, 137) }
```

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