

# Converting Colors

XYZ(68.5963, 68.6326, 33.6771)

Have a look what the booklet for  
XYZ(68.5963, 68.6326, 33.6771)  
contains.

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# Color

**XYZ(68.6279, 68.6959,  
33.6873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD18A
RGB	255, 209, 138
RGB Percent	100%, 82%, 54%
CMY	0.0000, 0.1804, 0.4588
CMYK	0.00, 0.18, 0.46, 0.00
HSL	36°, 100%, 77%
HSV	36°, 46%, 100%
XYZ	68.6279, 68.6959, 33.6873
YIQ	214.6600, 50.2070, -12.3290

# Conversions

## Conversions Part 2

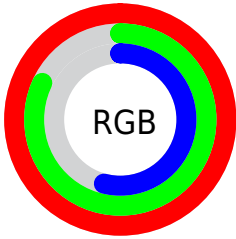
Format	Color
<a href="#">RYB</a>	<a href="#">214, 255, 138</a>
Decimal	<a href="#">16765322</a>
CIELab	<a href="#">86.35, 7.39, 41.20</a>
CIElCh	<a href="#">86, 41.859, 79.837</a>
Yxy	<a href="#">68.6959, 0.4013, 0.4017</a>
Android (android.graphics.Color)	<a href="#">4294955402</a> ( <a href="#">0xFFFFD18A</a> )
YUV	<a href="#">214.6600, -37.7934, 35.3782</a>
Hunter-Lab	<a href="#">82.8830, 2.7545, 33.9200</a>

# Details

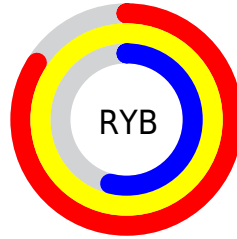
The XYZ color **68.6279, 68.6959, 33.6873** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.6711, 46.9025, 101.2535**, and the grayscale version is **64.5865, 67.9500, 73.9976**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **36.2066, 35.8666, 14.0315** is the 20% darker color. If you saturate the color by 10%, you get **64.6119, 63.2797, 24.2850**, and if you desaturate by 10%, it is **73.2354, 74.6015, 45.4263**.

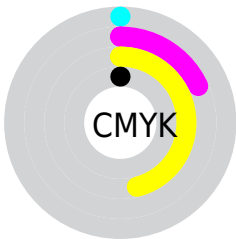
# Distribution



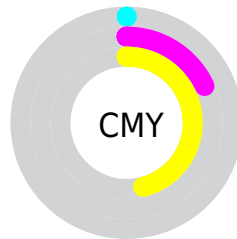
- Red (100%)
- Green (82%)
- Blue (54%)



- Red (84%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (18%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6279, 68.6959, 33.6873 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 68.6279, 68.6959, 33.6873 by changing the saturation by 10% instead.





 68.6279, 68.6959,  
33.6873

 68.6279, 68.6959,  
33.6873


445.0594,  
455.9577, 333.4620


 50.6843, 50.4641,  
22.3781


 116.2869,  
117.3471, 66.5754

 36.1774, 35.7823,  
13.9340


 146.7330,  
148.5353, 88.9914

 24.7420, 24.2661,  
7.9365


 182.0774,  
184.8111, 115.9467

 16.0126, 15.5311,  
3.9672

222.6852,  
226.5589, 147.8599

 9.6240, 9.1930,  
1.6074

268.9220,  
274.1630, 185.1494

 5.2107, 4.8673,  
0.2961

321.1531,

 2.4075, 2.1696,

328.0080, 228.2339

0.0000

379.7438,  
388.4781, 277.5319

■ 0.8488, 0.7033,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.6279, 68.6959,  
33.6873

■ 68.6279, 68.6959,  
33.6873

■ 64.6119, 63.2797,  
24.2850

■ 73.2354, 74.6015,  
45.4263

■ 61.1488, 58.3252,  
17.0523

■ 78.4600, 81.0034,  
59.6453

■ 58.2026, 53.8159,  
11.8060

■ 84.3316, 87.9203,  
76.4806

■ 55.7295, 49.7295,  
8.3307

■ 90.8762, 95.3670,  
96.0577

■ 53.6758, 46.0397, 95.0499, 99.9999,  
6.3592 108.9000

■ 52.9207, 44.6216,  
5.8236

# Harmonies

## Analogous

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



78.0285, 68.6959, 41.0499



68.6279, 68.6959, 33.6873



59.1875, 68.6959, 35.0708

# Triad

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



68.6279, 68.6959, 33.6873



49.3250, 68.6959, 94.3531



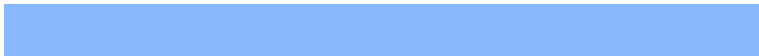
80.5510, 68.6959, 114.6467

# Complementary

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



68.6279, 68.6959, 33.6873



45.6711, 46.9025, 101.2535

# 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.



71.8054, 68.6959, 136.8681



68.6279, 68.6959, 33.6873



54.0253, 68.6959, 123.2931

# Square

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



68.6279, 68.6959, 33.6873



48.6552, 68.6959, 65.7941



62.0687, 68.6959, 140.3732



85.3484, 68.6959, 84.5884



# Rectangle

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



68.6279, 68.6959, 33.6873



54.0967, 68.6959, 40.9196



62.0687, 68.6959, 140.3732



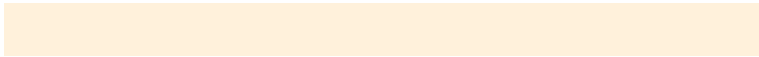
77.9374, 68.6959, 123.5649

# Sweetspot

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



68.6296, 68.6992, 33.6887



85.5109, 89.2807, 79.9511



59.0647, 42.9319, 50.9626



18.0138, 18.7762, 16.2627



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.



68.6296, 68.6992, 33.6887



64.9434, 63.7386, 25.0242



77.4133, 92.4630, 37.8126



18.9268, 19.8217, 18.9728



27.8019, 23.6151, 3.0929



2.8135, 2.5123, 0.3366

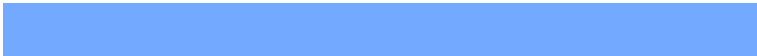


# Inverse Universe

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



45.6711, 46.9025, 101.2535



39.4404, 39.5539, 100.1637



39.6616, 31.8534, 98.6654



17.5887, 18.5491, 22.9033



11.9600, 8.8296, 50.5085



1.2672, 1.0652, 4.9521



# Previews

## White Background



This preview shows how the XYZ color 68.6279, 68.6959, 33.6873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

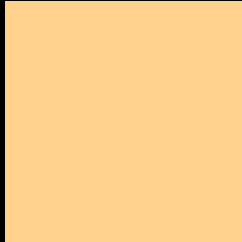
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6279, 68.6959, 33.6873 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 68.6279, 68.6959, 33.6873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6279, 68.6959, 33.6873.



This preview shows how white text looks on a background with the XYZ color 68.6279, 68.6959,



# 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

68.6279, 68.6959, 33.6873

### Protanopia

63.6245, 68.6970, 35.1058

### Deuteranopia

69.4634, 68.6387, 39.2933



## Tritanopia

74.8617, 68.8782, 73.6392

# Trichromacy



## Original Color

68.6279, 68.6959, 33.6873

## Protanomaly

65.1458, 68.3592, 34.5720

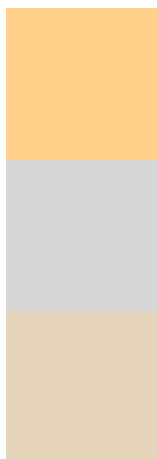
## Deuteranomaly

69.0623, 68.4783, 37.1814

## Tritanomaly

72.0410, 68.5105, 56.4406

# Monochromacy



## Original Color

68.6279, 68.6959, 33.6873

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.3970, 67.9994, 56.6921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6279, 68.6959, 33.6873 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6279, 68.6959, 33.6873 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, 138) }
```



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

```
.border{ border-color:rgb(255, 209, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 138); box-shadow:4px 4px 4px 4px rgb(255, 209, 138) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6279, 68.6959, 33.6873 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, 138) }
```

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

```
.background{ background-color: rgb(255,  
209, 138) }
```

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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