

# Converting Colors

XYZ(31.0981, 47.4312, 37.2219)

Have a look what the booklet for  
XYZ(31.0981, 47.4312, 37.2219)  
contains.

<b>XYZ(31.0981, 47.4312, 37.2219)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(31.0981, 47.4312,  
37.2219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56CC98
RGB	86, 204, 152
RGB Percent	34%, 80%, 60%
CMY	0.6627, 0.2000, 0.4039
CMYK	0.58, 0.00, 0.25, 0.20
HSL	154°, 54%, 57%
HSV	154°, 58%, 80%
XYZ	31.0981, 47.4312, 37.2219
YIQ	162.7900, -53.6360, -41.1880

# Conversions

## Conversions Part 2

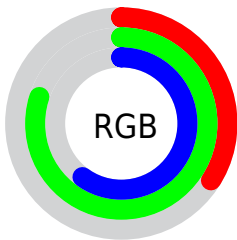
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 162, 204
Decimal	5688472
CIELab	74.46, -45.40, 16.13
CIELCh	74, 48.178, 160.440
Yxy	47.4312, 0.2687, 0.4098
Android (android.graphics.Color)	4283878552 (0xFF56CC98)
YUV	162.7900, -5.3195, -67.3448
Hunter-Lab	68.8703, -39.9221, 16.1651

# Details

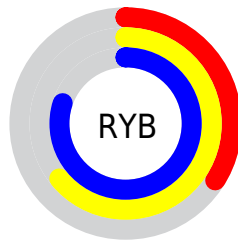
The XYZ color **31.0981, 47.4312, 37.2219** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **32.8186, 21.3289, 26.4335**, and the grayscale version is **34.7572, 36.5672, 39.8217**.

A 20% lighter version of the original color is **58.5776, 81.9960, 71.1320**, and **13.1340, 22.4538, 15.9537** is the 20% darker color. If you saturate the color by 10%, you get **28.7726, 46.3155, 33.4146**, and if you desaturate by 10%, it is **34.0179, 48.8493, 41.3505**.

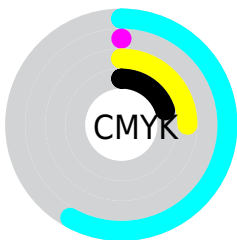
# Distribution



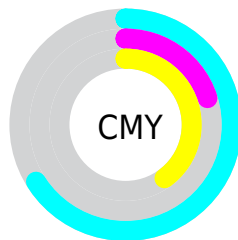
- Red (34%)
- Green (80%)
- Blue (60%)



- Red (34%)
- Yellow (64%)
- Blue (80%)



- Cyan (58%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)




- Cyan (66%)
- Magenta (20%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0981, 47.4312, 37.2219 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 31.0981, 47.4312, 37.2219 by changing the saturation by 10% instead.





 31.0981, 47.4312,  
37.2219


 31.0981, 47.4312,  
37.2219


298.8088,  
376.5331, 349.4678

 20.8258, 33.3767,  
25.0822


 60.7693, 86.3569,  
72.1041


 13.1084, 22.4152,  
15.9187


 80.8988, 111.9969,  
95.6836

 7.5808, 14.1623,  
9.3129

 105.0448,  
142.2674, 123.9136

 3.8774, 8.2336,  
4.8463

 133.5726,  
177.5530, 157.2124

 1.6330, 4.2448,  
2.1002

166.8475,  
218.2380, 195.9987

 0.4138, 1.8114,  
0.6159

205.2350,

 0.0000, 0.4943,

264.7067, 240.6911

0.0000

249.1003,  
317.3436, 291.7079

■ 0.0000, 0.0000,  
0.0000

■ 31.0981, 47.4312,  
37.2219

■ 31.0981, 47.4312,  
37.2219

■ 28.7726, 46.3155,  
33.4146

■ 34.0179, 48.8493,  
41.3505

■ 26.9894, 45.4718,  
29.9166

■ 37.5709, 50.5860,  
45.8053

■ 25.6934, 44.8731,  
26.7197

■ 41.7968, 52.6629,  
50.5953

■ 24.8036, 44.4778,  
23.8133

■ 46.7311, 55.0981,  
55.7279

■ 24.6368, 44.4047,  
23.2224

■ 52.4065, 57.9085,  
61.2104

■ 58.8538, 61.1096,  
67.0497

■ 66.1018, 64.7163,  
73.2526

■ 74.1781, 68.7427,  
79.8257

■ 77.5294, 70.3258,  
86.5142

# Harmonies

## Analogous

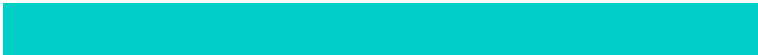
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0884, 47.4312, 23.1129



31.0981, 47.4312, 37.2219



30.5643, 47.4312, 60.8106

# Triad

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



31.0981, 47.4312, 37.2219



48.1781, 47.4312, 114.4539



59.0334, 47.4312, 26.4065

# Complementary

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



31.0981, 47.4312, 37.2219



32.8186, 21.3289, 26.4335

# 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.



63.5933, 47.4312, 43.4491



31.0981, 47.4312, 37.2219



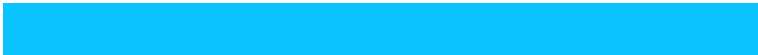
56.8129, 47.4312, 97.3017

# Square

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



31.0981, 47.4312, 37.2219



39.7156, 47.4312, 111.1384



62.7322, 47.4312, 69.3811



50.9111, 47.4312, 18.4014



# Rectangle

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



31.0981, 47.4312, 37.2219



32.1552, 47.4312, 79.8825



62.7322, 47.4312, 69.3811



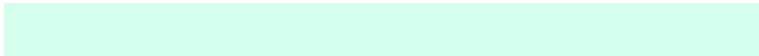
61.0781, 47.4312, 30.9951

# Sweetspot

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



31.0994, 47.4331, 37.2230



77.9358, 91.5152, 92.8344



33.9382, 49.3573, 16.5428



16.3013, 19.4001, 19.4886



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.



31.0994, 47.4331, 37.2230



46.9705, 76.3771, 54.1029



34.9553, 46.7739, 64.3150



11.3263, 12.6403, 13.2760



15.5536, 27.9667, 14.8661



0.8402, 1.4579, 0.9659



# Inverse Universe

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



32.8186, 21.3289, 26.4335



50.0904, 29.2795, 34.7261



30.4014, 21.1472, 11.2841



11.4143, 11.2944, 12.7161



16.8776, 8.5616, 7.0740



0.9086, 0.4569, 0.5647



# Previews

## White Background



This preview shows how the XYZ color 31.0981, 47.4312, 37.2219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

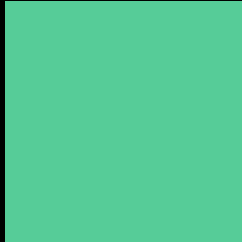
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.0981, 47.4312, 37.2219 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 31.0981, 47.4312, 37.2219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.0981, 47.4312, 37.2219.



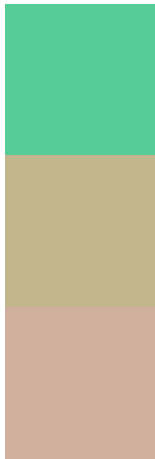
This preview shows how white text looks on a background with the XYZ color 31.0981, 47.4312,



# 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

31.0981, 47.4312, 37.2219

### Protanopia

43.7838, 46.8483, 31.9343

### Deuteranopia

47.5140, 46.5385, 38.8263



## Tritanopia

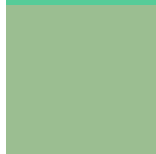
37.4493, 47.2366, 69.4311

# Trichromacy



## Original Color

31.0981, 47.4312, 37.2219



## Protanomaly

37.0419, 45.8398, 33.6837



## Deuteranomaly

38.8695, 45.4106, 38.1690



## Tritanomaly

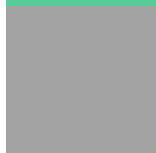
34.7547, 47.1612, 55.9865

# Monochromacy



## Original Color

31.0981, 47.4312, 37.2219



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

32.1701, 39.4949, 38.7286

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.0981, 47.4312, 37.2219 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(86, 204, 152)` looks like.

```
.text, #text, p{  
    color:rgb(86, 204, 152)  
}
```

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(86, 204, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 204, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 31.0981, 47.4312, 37.2219 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(86, 204, 152) }
```



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

```
.border{ border-color:rgb(86, 204, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 204, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 204, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 204, 152);  
box-shadow:4px 4px 4px 4px rgb(86, 204,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.0981, 47.4312, 37.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 204, 152) }
```

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

```
.background{ background-color: rgb(86, 204,  
152) }
```

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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