

Converting Colors

XYZ(31.9383, 45.5347, 33.4823)

Have a look what the booklet for
XYZ(31.9383, 45.5347, 33.4823)
contains.

XYZ(31.9397, 45.5235, 33.4891)	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(31.9397, 45.5235,
33.4891)**

Conversions

Conversions Part 1

Format	Color
Hex	72C590
RGB	114, 197, 144
RGB Percent	45%, 77%, 56%
CMY	0.5529, 0.2274, 0.4353
CMYK	0.42, 0.00, 0.27, 0.23
HSL	142°, 42%, 61%
HSV	142°, 42%, 77%
XYZ	31.9397, 45.5235, 33.4891
YIQ	166.1410, -32.4550, -34.0790

Conversions

Conversions Part 2

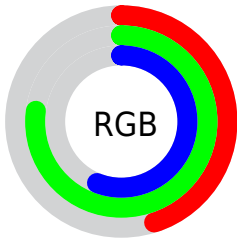
Format	Color
RYB	114, 175, 197
Decimal	7521680
CIELab	73.24, -37.02, 18.85
CIElCh	73, 41.541, 153.014
Yxy	45.5235, 0.2879, 0.4103
Android (android.graphics.Color)	4285711760 (0xFF72C590)
YUV	166.1410, -10.9155, -45.7277
Hunter-Lab	67.4711, -33.5755, 17.8013

Details

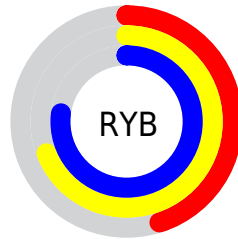
The XYZ color **31.9397, 45.5235, 33.4891** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.0198, 26.6959, 39.8152**, and the grayscale version is **36.3770, 38.2715, 41.6776**.

A 20% lighter version of the original color is **61.9970, 83.3959, 66.2555**, and **13.6019, 21.3650, 13.7629** is the 20% darker color. If you saturate the color by 10%, you get **28.7395, 43.9800, 28.5973**, and if you desaturate by 10%, it is **35.8013, 47.3981, 38.9732**.

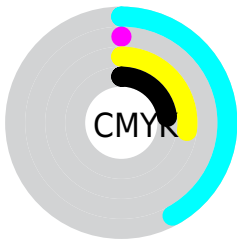
Distribution



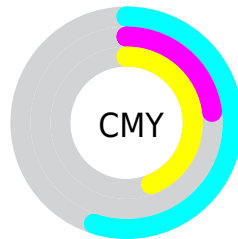
- Red (45%)
- Green (77%)
- Blue (56%)



- Red (45%)
- Yellow (69%)
- Blue (77%)



- Cyan (42%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)



- Cyan (55%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9397, 45.5235, 33.4891 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 31.9397, 45.5235, 33.4891 by changing the saturation by 10% instead.

■ 31.9397, 45.5235,
33.4891

■ 31.9397, 45.5235,
33.4891

302.5946,
368.8896, 332.5473

■ 21.4708, 31.8700,
22.2272

■ 62.0824, 83.5054,
66.2632

■ 13.5830, 21.2622,
13.8240

■ 82.4868, 108.6026,
88.6124

■ 7.9109, 13.3158,
7.8610

■ 106.9338,
138.2831, 115.4946

■ 4.0893, 7.6464,
3.9197

135.7888,
172.9314, 147.3281

■ 1.7528, 3.8695,
1.5814

169.4170,
212.9318, 184.5316

■ 0.4890, 1.6008,
0.2775

208.1838,

■ 0.0000, 0.3582,

258.6687, 227.5236

0.0000

252.4545,
310.5265, 276.7227

■ 0.0000, 0.0000,
0.0000

■ 31.9397, 45.5235,
33.4891

■ 31.9397, 45.5235,
33.4891

■ 28.7395, 43.9800,
28.5973

■ 35.8013, 47.3981,
38.9732

■ 26.1579, 42.7421,
24.2745

■ 40.3566, 49.6164,
45.0656

■ 24.1524, 41.7897,
20.5006


■ 45.6402, 52.1968,
51.7855


■ 22.6732, 41.0975,
17.2527


■ 51.6830, 55.1553,
59.1504


■ 21.6614, 40.6356,
14.5066


■ 58.5142, 58.5063,
67.1770

 21.1110, 40.3918,
12.6796

 66.1616, 62.2640,
75.8814

 74.6514, 66.4414,
85.2792

 77.6337, 67.7648,
95.0871

 79.2571, 68.4142,
103.6357

Harmonies

Analogous

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



36.0711, 45.5235, 22.9471



31.9397, 45.5235, 33.4891



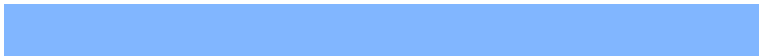
30.7245, 45.5235, 51.7082

Triad

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



31.9397, 45.5235, 33.4891



44.0099, 45.5235, 101.4444



56.1213, 45.5235, 30.7523

Complementary

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



31.9397, 45.5235, 33.4891



36.0198, 26.6959, 39.8152

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.



58.8328, 45.5235, 47.4864



31.9397, 45.5235, 33.4891



51.3652, 45.5235, 91.4329

Square

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



31.9397, 45.5235, 33.4891



37.2137, 45.5235, 94.6446



57.0024, 45.5235, 70.1102



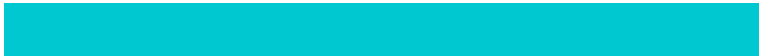
49.9473, 45.5235, 21.7070

Rectangle

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



31.9397, 45.5235, 33.4891



31.6054, 45.5235, 66.9792



57.0024, 45.5235, 70.1102



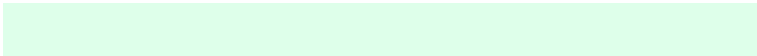
57.4974, 45.5235, 35.4693

Sweetspot

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



31.9409, 45.5254, 33.4901



80.6654, 92.9568, 91.4062



39.1429, 49.4688, 23.4054



16.7938, 19.6659, 18.9720



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.



31.9409, 45.5254, 33.4901



51.6523, 78.8531, 51.5051



35.6166, 46.9956, 52.8460



10.6532, 11.9502, 12.1242



13.9218, 26.5811, 8.5328



0.6939, 1.2725, 0.5866

Inverse Universe

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



36.0198, 26.6959, 39.8152



59.9518, 40.4684, 64.3224



32.8395, 25.4238, 23.0683



10.9141, 10.7490, 12.5310



17.6548, 8.8115, 13.9237



0.8697, 0.4307, 0.8373

Previews

White Background



This preview shows how the XYZ color 31.9397, 45.5235, 33.4891 looks on a white background.

Color Contrast Check

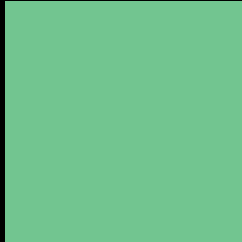
Large Text (above 18pt) WCAG AA × Fail

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 31.9397, 45.5235, 33.4891 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 31.9397, 45.5235, 33.4891

Background



This preview shows how black text looks on a background with the XYZ color 31.9397, 45.5235, 33.4891.



This preview shows how white text looks on a background with the XYZ color 31.9397, 45.5235,

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

31.9397, 45.5235, 33.4891

Protanopia

42.0499, 45.0941, 29.7803

Deuteranopia

45.6309, 44.7968, 34.6754



Tritanopia

37.9988, 45.3440, 63.8763

Trichromacy



Original Color

31.9397, 45.5235, 33.4891



Protanomaly

37.3234, 44.7684, 31.1001



Deuteranomaly

39.0239, 44.0386, 34.0473



Tritanomaly

35.4615, 45.2876, 51.1283

Monochromacy



Original Color

31.9397, 45.5235, 33.4891



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.9263, 40.1159, 38.3028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9397, 45.5235, 33.4891 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(114, 197, 144)` looks like.

```
.text, #text, p{  
    color:rgb(114, 197, 144)  
}
```

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(114, 197, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 197, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.9397, 45.5235, 33.4891 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(114, 197, 144) }
```


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

```
.border{ border-color:rgb(114, 197, 144) }
```

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

Here you see how a box with a 4 pixel rgb(114, 197, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 197, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 197, 144);  
box-shadow:4px 4px 4px 4px rgb(114, 197,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9397, 45.5235, 33.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 197, 144) }
```

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

```
.background{ background-color: rgb(114,  
197, 144) }
```

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