

# Converting Colors

XYZ(31.3134, 45.0933, 32.4167)

Have a look what the booklet for  
XYZ(31.3134, 45.0933, 32.4167)  
contains.

<b>XYZ(31.3295, 45.2351, 32.2793)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(31.3295, 45.2351,  
32.2793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC58D
RGB	111, 197, 141
RGB Percent	44%, 77%, 55%
CMY	0.5647, 0.2274, 0.4471
CMYK	0.44, 0.00, 0.28, 0.23
HSL	141°, 43%, 60%
HSV	141°, 44%, 77%
XYZ	31.3295, 45.2351, 32.2793
YIQ	164.9020, -33.2800, -35.6480

# Conversions

## Conversions Part 2

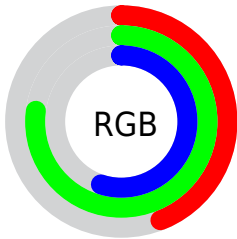
Format	Color
<a href="#">RYB</a>	<a href="#">111, 175, 197</a>
Decimal	<a href="#">7325069</a>
CIELab	<a href="#">73.05, -38.43, 20.17</a>
CIELCh	<a href="#">73, 43.404, 152.308</a>
Yxy	<a href="#">45.2351, 0.2878, 0.4156</a>
Android (android.graphics.Color)	<a href="#">4285515149 (0xFF6FC58D)</a>
YUV	<a href="#">164.9020, -11.7837, -47.2721</a>
Hunter-Lab	<a href="#">67.2570, -34.5514, 18.6243</a>

# Details

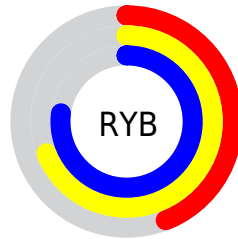
The XYZ color **31.3295, 45.2351, 32.2793** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6869, 26.0302, 39.7043**, and the grayscale version is **35.7843, 37.6478, 40.9985**.

A 20% lighter version of the original color is **61.0180, 82.9307, 64.4210**, and **13.2988, 21.2239, 13.0686** is the 20% darker color. If you saturate the color by 10%, you get **28.2190, 43.7368, 27.4368**, and if you desaturate by 10%, it is **35.0996, 47.0632, 37.7319**.

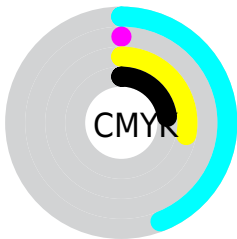
# Distribution



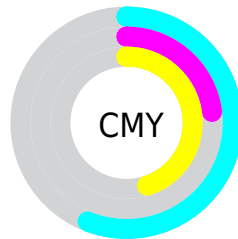
- Red (44%)
- Green (77%)
- Blue (55%)



- Red (44%)
- Yellow (69%)
- Blue (77%)



- Cyan (44%)
- Magenta (0%)
- Yellow (28%)
- Black (23%)




- Cyan (56%)
- Magenta (23%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3295, 45.2351, 32.2793 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 31.3295, 45.2351, 32.2793 by changing the saturation by 10% instead.





 31.3295, 45.2351,  
32.2793


 31.3295, 45.2351,  
32.2793


299.8533,  
367.7249, 326.9214


 21.0029, 31.6426,  
21.3083


 61.1308, 83.0731,  
64.3517

 13.2386, 21.0887,  
13.1561


 81.3362, 108.0874,  
86.2902

 7.6712, 13.1889,  
7.4042


 105.5653,  
137.6778, 112.7216

 3.9353, 7.5587,  
3.6339

134.1834,  
172.2287, 144.0645

 1.6656, 3.8139,  
1.4267

167.5560,  
212.1245, 180.7374

 0.4346, 1.5700,  
0.1624

206.0482,

 0.0000, 0.3373,

257.7495, 223.1588

0.0000

250.0255,  
309.4882, 271.7473

■ 0.0000, 0.0000,  
0.0000

■ 31.3295, 45.2351,  
32.2793

■ 31.3295, 45.2351,  
32.2793

■ 28.2190, 43.7368,  
27.4368

■ 35.0996, 47.0632,  
37.7319

■ 25.7243, 42.5424,  
23.1797

■ 39.5624, 49.2339,  
43.8118

■ 23.8022, 41.6312,  
19.4864


■ 44.7529, 51.7661,  
50.5394


■ 22.4012, 40.9774,  
16.3323


■ 50.7025, 54.6758,  
57.9334


■ 21.4604, 40.5499,  
13.6912


■ 57.4410, 57.9778,  
66.0116

 21.0327, 40.3604,  
12.2668

 64.9964, 61.6862,  
74.7910

 73.3954, 65.8145,  
84.2881

 77.4798, 67.7033,  
94.2764

 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.



35.6606, 45.2351, 21.7115



31.3295, 45.2351, 32.2793



30.0053, 45.2351, 50.9546

# Triad

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



31.3295, 45.2351, 32.2793



43.5846, 45.2351, 103.8928



56.5382, 45.2351, 30.1307

# Complementary

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



31.3295, 45.2351, 32.2793



35.6869, 26.0302, 39.7043

# 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.



59.2774, 45.2351, 47.5904



31.3295, 45.2351, 32.2793



51.2709, 45.2351, 93.6673

# Square

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



31.3295, 45.2351, 32.2793



36.5662, 45.2351, 96.2729



57.2461, 45.2351, 71.3283



50.1355, 45.2351, 20.7518

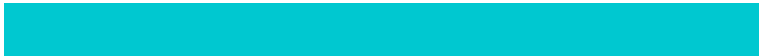


# Rectangle

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



31.3295, 45.2351, 32.2793



30.8629, 45.2351, 66.8718



57.2461, 45.2351, 71.3283



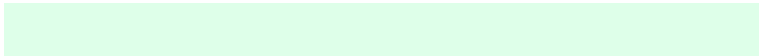
57.9498, 45.2351, 35.0379

# Sweetspot

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



31.3307, 45.2370, 32.2803



80.6055, 92.9328, 91.0905



39.0566, 49.4437, 22.5244



16.7791, 19.6601, 18.8946



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.



31.3307, 45.2370, 32.2803



50.9719, 78.5385, 49.8395



35.0358, 46.7190, 51.7910



10.6477, 11.9480, 12.0949



13.8695, 26.5602, 8.2573



0.6910, 1.2713, 0.5715



# Inverse Universe

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



35.6869, 26.0302, 39.7043



59.7258, 39.8683, 64.7036



32.4347, 24.7293, 22.5782



10.9199, 10.7513, 12.5614



17.7609, 8.8539, 14.4824



0.8743, 0.4325, 0.8610



# Previews

## White Background



This preview shows how the XYZ color 31.3295, 45.2351, 32.2793 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 31.3295, 45.2351, 32.2793 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

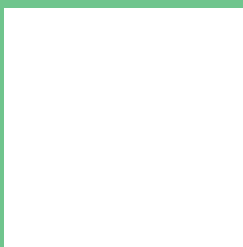
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.3295, 45.2351, 32.2793**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.3295, 45.2351, 32.2793.



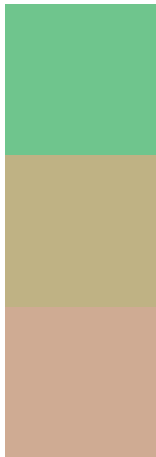
This preview shows how white text looks on a background with the XYZ color 31.3295, 45.2351,



# 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

31.3295, 45.2351, 32.2793

### Protanopia

41.5711, 44.5831, 28.2442

### Deuteranopia

45.5615, 44.4978, 33.7913



## Tritanopia

37.7009, 45.1904, 63.8623

# Trichromacy



## Original Color

31.3295, 45.2351, 32.2793

## Protanomaly

36.6224, 44.1286, 29.5091

## Deuteranomaly

38.4454, 43.4575, 33.1499

## Tritanomaly

35.0753, 45.1004, 50.5727

# Monochromacy



## Original Color

31.3295, 45.2351, 32.2793

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

33.3999, 39.8643, 37.3867

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.3295, 45.2351, 32.2793 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(111, 197, 141)` looks like.

```
.text, #text, p{  
    color:rgb(111, 197, 141)  
}
```

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(111, 197, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 197, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 31.3295, 45.2351, 32.2793 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(111, 197, 141) }
```



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

```
.border{ border-color:rgb(111, 197, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 197, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 197, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 197, 141);  
box-shadow:4px 4px 4px 4px rgb(111, 197,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.3295, 45.2351, 32.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 197, 141) }
```

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

```
.background{ background-color: rgb(111,  
197, 141) }
```

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