

Converting Colors

XYZ(31.2123, 45.2993, 32.7686)

Have a look what the booklet for
XYZ(31.2123, 45.2993, 32.7686)
contains.

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Color

**XYZ(31.1554, 45.1367,
32.6614)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6DC58E |
| RGB | 109, 197, 142 |
| RGB Percent | 43%, 77%, 56% |
| CMY | 0.5725, 0.2274, 0.4431 |
| CMYK | 0.45, 0.00, 0.28, 0.23 |
| HSL | 142°, 43%, 60% |
| HSV | 142°, 45%, 77% |
| XYZ | 31.1554, 45.1367, 32.6614 |
| YIQ | 164.4180, -34.7930, -35.7610 |

Conversions

Conversions Part 2

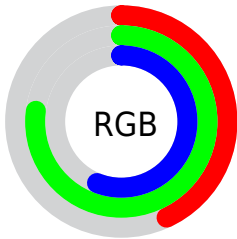
| Format | Color |
|-------------------------------------|--|
| RYB | 109, 173, 197 |
| Decimal | 7193998 |
| CIELab | 72.98, -38.79, 19.54 |
| CIELCh | 73, 43.435, 153.272 |
| Yxy | 45.1367, 0.2860, 0.4143 |
| Android (android.graphics.Color) | 4285384078 (0xFF6DC58E) |
| YUV | 164.4180, -11.0521, -48.6016 |
| Hunter-Lab | 67.1839, -34.7953, 18.2049 |

Details

The XYZ color **31.1554, 45.1367, 32.6614** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.1969, 25.4889, 38.1883**, and the grayscale version is **35.5497, 37.4011, 40.7298**.

A 20% lighter version of the original color is **60.7155, 82.7617, 64.9991**, and **13.1790, 21.1571, 13.2867** is the 20% darker color. If you saturate the color by 10%, you get **28.1243, 43.6763, 27.9579**, and if you desaturate by 10%, it is **34.8341, 46.9216, 37.9303**.

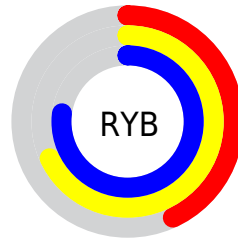
Distribution



Red (43%)

Green (77%)

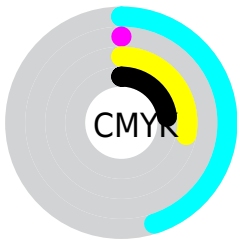
Blue (56%)



Red (43%)

Yellow (68%)

Blue (77%)

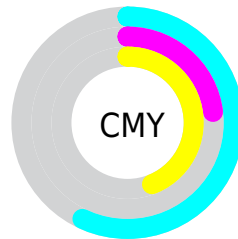


Cyan (45%)

Magenta (0%)

Yellow (28%)

Black (23%)



Cyan (57%)


Magenta (23%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1554, 45.1367, 32.6614 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 31.1554, 45.1367, 32.6614 by changing the saturation by 10% instead.


 31.1554, 45.1367,
32.6614


 31.1554, 45.1367,
32.6614


299.0677,
367.3269, 328.7063


 20.8696, 31.5651,
21.5982

 60.8588, 82.9255,
64.9564

 13.1406, 21.0295,
13.3665


 81.0072, 107.9115,
87.0253

 7.6031, 13.1456,
7.5477


 105.1738,
137.4711, 113.5999

 3.8917, 7.5289,
3.7233

 133.7240,
171.9887, 145.0986

 1.6411, 3.7950,
1.4748

167.0231,
211.8487, 181.9401

 0.4189, 1.5596,
0.1991

205.4365,

 0.0000, 0.3301,

257.4355, 224.5429

0.0000

249.3296,
309.1334, 273.3254

■ 0.0000, 0.0000,
0.0000

■ 31.1554, 45.1367,
32.6614

■ 31.1554, 45.1367,
32.6614

■ 28.1243, 43.6763,
27.9579

■ 34.8341, 46.9216,
37.9303

■ 25.6972, 42.5147,
23.7976

■ 39.1934, 49.0439,
43.7797

■ 23.8306, 41.6310,
20.1613


■ 44.2681, 51.5226,
50.2279


■ 22.4731, 40.9991,
17.0273


■ 50.0895, 54.3733,
57.2916


■ 21.5628, 40.5877,
14.3722


■ 56.6872, 57.6111,
64.9866

 21.1989, 40.4269,
13.1424

 64.0890, 61.2499,
73.3283

 72.3213, 65.3030,
82.3314

 77.0104, 67.5155,
91.8045

 78.9076, 68.2744,
101.7955

Harmonies

Analogous

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



35.3913, 45.1367, 21.8555



31.1554, 45.1367, 32.6614



29.9327, 45.1367, 51.5676

Triad

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



31.1554, 45.1367, 32.6614



43.7384, 45.1367, 103.7104



56.2774, 45.1367, 29.6183

Complementary

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



31.1554, 45.1367, 32.6614



35.1969, 25.4889, 38.1883

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.



59.1599, 45.1367, 46.8018



31.1554, 45.1367, 32.6614



51.4045, 45.1367, 92.9591

Square

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



31.1554, 45.1367, 32.6614



36.6740, 45.1367, 96.6511



57.2802, 45.1367, 70.4121



49.7959, 45.1367, 20.4965

Rectangle

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



31.1554, 45.1367, 32.6614



30.8563, 45.1367, 67.5524



57.2802, 45.1367, 70.4121



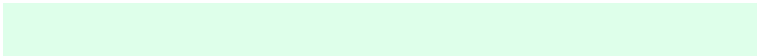
57.7318, 45.1367, 34.4297

Sweetspot

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



31.1566, 45.1386, 32.6624



80.7300, 92.9826, 91.7463



38.1897, 49.0094, 21.9154



16.8097, 19.6723, 19.0555



0.0000, 0.0000, 0.0000



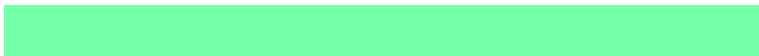
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.1566, 45.1386, 32.6624



50.2920, 78.1849, 49.9455



35.0595, 46.6997, 53.2147



10.6592, 11.9526, 12.1557



13.9804, 26.6045, 8.8414



0.6970, 1.2737, 0.6031

Inverse Universe

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



35.1969, 25.4889, 38.1883



58.4591, 38.3817, 61.0544



31.9307, 24.1824, 20.9889



10.9079, 10.7466, 12.4984



17.5436, 8.7670, 13.3381



0.8650, 0.4288, 0.8121

Previews

White Background



This preview shows how the XYZ color 31.1554, 45.1367, 32.6614 looks on a white background.

Color Contrast Check

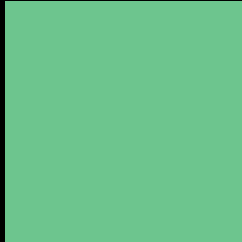
Large Text (above 18pt) WCAG AA × Fail

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 31.1554, 45.1367, 32.6614 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 31.1554, 45.1367, 32.6614

Background



This preview shows how black text looks on a background with the XYZ color 31.1554, 45.1367, 32.6614.



This preview shows how white text looks on a background with the XYZ color 31.1554, 45.1367,

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

31.1554, 45.1367, 32.6614

Protanopia

41.6399, 44.6106, 28.6064

Deuteranopia

45.3618, 44.3857, 34.1935



Tritanopia

37.4089, 45.0399, 63.8487

Trichromacy



Original Color

31.1554, 45.1367, 32.6614



Protanomaly

36.4908, 44.0526, 29.8723



Deuteranomaly

38.3042, 43.3758, 33.5476



Tritanomaly

34.7979, 44.9574, 50.5597

Monochromacy



Original Color

31.1554, 45.1367, 32.6614



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.0277, 39.3803, 37.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1554, 45.1367, 32.6614 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(109, 197, 142)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 142)  
}
```

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(109, 197, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.1554, 45.1367, 32.6614 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(109, 197, 142) }
```


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

```
.border{ border-color:rgb(109, 197, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 197, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 197, 142);  
box-shadow:4px 4px 4px 4px rgb(109, 197,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1554, 45.1367, 32.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 142) }
```

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

```
.background{ background-color: rgb(109,  
197, 142) }
```

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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