

Converting Colors

XYZ(31.9286, 45.5597, 43.5778)

Have a look what the booklet for
XYZ(31.9286, 45.5597, 43.5778)
contains.

XYZ(31.9930, 45.6650, 43.6872)	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(31.9930, 45.6650,
43.6872)**

Conversions

Conversions Part 1

Format	Color
Hex	60C6A7
RGB	96, 198, 167
RGB Percent	38%, 78%, 65%
CMY	0.6235, 0.2235, 0.3451
CMYK	0.52, 0.00, 0.16, 0.22
HSL	162°, 47%, 58%
HSV	162°, 52%, 78%
XYZ	31.9930, 45.6650, 43.6872
YIQ	163.9680, -50.8410, -31.2650

Conversions

Conversions Part 2

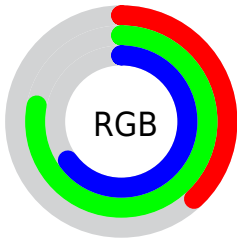
Format	Color
RYB	96, 156, 198
Decimal	6342311
CIELab	73.33, -37.22, 6.50
CIElCh	73, 37.786, 170.093
Yxy	45.6650, 0.2637, 0.3763
Android (android.graphics.Color)	4284532391 (0xFF60C6A7)
YUV	163.9680, 1.4948, -59.6079
Hunter-Lab	67.5759, -33.7491, 8.9727

Details

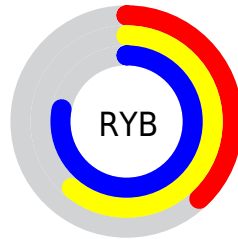
The XYZ color **31.9930, 45.6650, 43.6872** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.3039, 21.9050, 22.6586**, and the grayscale version is **35.2829, 37.1203, 40.4241**.

A 20% lighter version of the original color is **62.0817, 83.5662, 81.9651**, and **13.5442, 21.2061, 19.5990** is the 20% darker color. If you saturate the color by 10%, you get **29.6231, 44.5072, 40.7400**, and if you desaturate by 10%, it is **34.9160, 47.1072, 46.7975**.

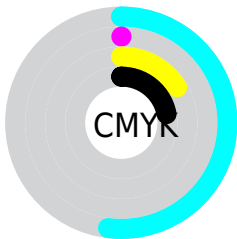
Distribution



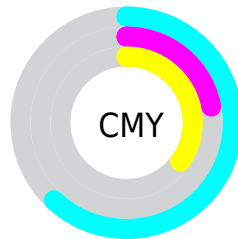
- Red (38%)
- Green (78%)
- Blue (65%)



- Red (38%)
- Yellow (61%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (62%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9930, 45.6650, 43.6872 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 31.9930, 45.6650, 43.6872 by changing the saturation by 10% instead.


 31.9930, 45.6650,
43.6872


 31.9930, 45.6650,
43.6872


302.8332,
369.4602, 377.4342


 21.5117, 31.9815,
30.0893


 62.1654, 83.7174,
82.0443


 13.6131, 21.3474,
19.6537

 82.5871, 108.8552,
107.6406

 7.9320, 13.3782,
11.9620


 107.0531,
138.5798, 138.0734

 4.1029, 7.6895,
6.5956

 135.9286,
173.2757, 173.7612

 1.7605, 3.8969,
3.1359

169.5790,
213.3274, 215.1227

 0.4937, 1.6161,
1.1644

208.3697,

 0.0000, 0.3684,

259.1190, 262.5763

0.0000

252.6660,
311.0352, 316.5407

■ 0.0000, 0.0000,
0.0000

■ 31.9930, 45.6650,
43.6872

■ 31.9930, 45.6650,
43.6872

■ 29.6231, 44.5072,
40.7400

■ 34.9160, 47.1072,
46.7975

■ 27.7618, 43.6076,
37.9490

■ 38.4245, 48.8471,
50.0711

■ 26.3642, 42.9440,
35.3111

■ 42.5530, 50.9035,
53.5125

■ 25.3751, 42.4882,
32.8221

■ 47.3321, 53.2923,
57.1247

■ 24.7695, 42.2196,
30.8211

■ 52.7904, 56.0280,
60.9108

■ 58.9547, 59.1244,
64.8737

■ 65.8502, 62.5947,
69.0162

■ 73.5012, 66.4511,
73.3411

■ 74.5080, 66.8790,
77.5036

Harmonies

Analogous

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



34.3204, 45.6650, 29.7448



31.9930, 45.6650, 43.6872



32.4746, 45.6650, 63.3837

Triad

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



31.9930, 45.6650, 43.6872



47.9429, 45.6650, 92.6178



52.1281, 45.6650, 26.6005

Complementary

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



31.9930, 45.6650, 43.6872



31.3039, 21.9050, 22.6586

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.



56.5439, 45.6650, 38.1786



31.9930, 45.6650, 43.6872



53.9619, 45.6650, 77.0889

Square

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



31.9930, 45.6650, 43.6872



41.2417, 45.6650, 95.1872



57.2473, 45.6650, 56.2872



45.6390, 45.6650, 21.6816

Rectangle

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



31.9930, 45.6650, 43.6872



34.3433, 45.6650, 77.2112



57.2473, 45.6650, 56.2872



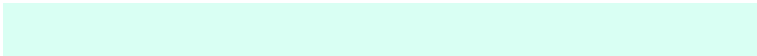
53.9310, 45.6650, 29.6800

Sweetspot

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



31.9943, 45.6668, 43.6883



80.5353, 92.7271, 98.7442



31.2541, 45.8471, 18.2692



16.8492, 19.6531, 20.8421



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.



31.9943, 45.6668, 43.6883



51.9351, 78.5583, 71.4236



31.1986, 38.9263, 59.2974



10.8041, 12.0105, 12.9186



16.1471, 27.4712, 20.2510



0.7957, 1.3132, 1.1227

Inverse Universe

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



31.3039, 21.9050, 22.6586



50.6127, 31.8338, 30.2460



31.4980, 25.0447, 14.2410



10.7644, 10.6891, 11.7424



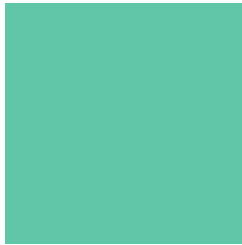
15.7124, 8.0345, 3.6956



0.7767, 0.3935, 0.3471

Previews

White Background



This preview shows how the XYZ color 31.9930, 45.6650, 43.6872 looks on a white background.

Color Contrast Check

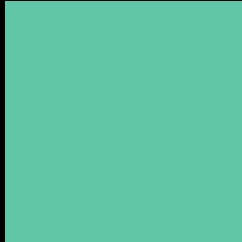
Large Text (above 18pt) WCAG AA × Fail

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 31.9930, 45.6650, 43.6872 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

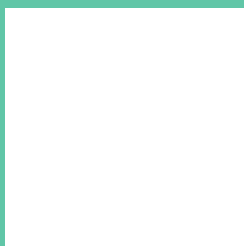
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9930, 45.6650, 43.6872

Background



This preview shows how black text looks on a background with the XYZ color 31.9930, 45.6650, 43.6872.

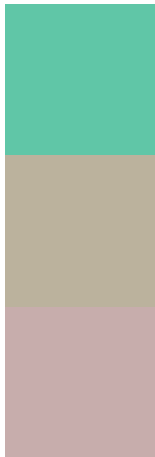


This preview shows how white text looks on a background with the XYZ color 31.9930, 45.6650,

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

31.9930, 45.6650, 43.6872

Protanopia

42.4997, 44.8399, 38.3133

Deuteranopia

45.9432, 45.0078, 45.2956



Tritanopia

36.4191, 45.4415, 66.5261

Trichromacy



Original Color

31.9930, 45.6650, 43.6872



Protanomaly

37.1084, 44.1412, 40.2825



Deuteranomaly

38.8839, 44.0396, 44.4813



Tritanomaly

34.6263, 45.3769, 57.3857

Monochromacy



Original Color

31.9930, 45.6650, 43.6872



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.9643, 39.2562, 41.4371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9930, 45.6650, 43.6872 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(96, 198, 167)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 167)  
}
```

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(96, 198, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.9930, 45.6650, 43.6872 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(96, 198, 167) }
```


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

```
.border{ border-color:rgb(96, 198, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 198, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 167);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9930, 45.6650, 43.6872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 167) }
```

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

```
.background{ background-color: rgb(96, 198,  
167) }
```

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