

Converting Colors

XYZ(31.5685, 45.1186, 43.1213)

Have a look what the booklet for
XYZ(31.5685, 45.1186, 43.1213)
contains.

XYZ(31.5685, 45.1186, 43.1213)	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(31.5685, 45.1186,
43.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	5FC5A6
RGB	95, 197, 166
RGB Percent	37%, 77%, 65%
CMY	0.6274, 0.2274, 0.3490
CMYK	0.52, 0.00, 0.16, 0.23
HSL	162°, 47%, 57%
HSV	162°, 52%, 77%
XYZ	31.5685, 45.1186, 43.1213
YIQ	162.9680, -50.8410, -31.2650

Conversions

Conversions Part 2

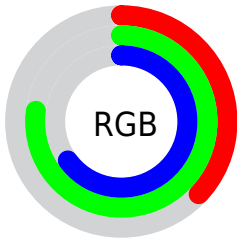
Format	Color
RYB	95, 155, 197
Decimal	6276518
CIELab	72.97, -37.23, 6.52
CIElCh	73, 37.793, 170.060
Yxy	45.1186, 0.2635, 0.3766
Android (android.graphics.Color)	4284466598 (0xFF5FC5A6)
YUV	162.9680, 1.4948, -59.6079
Hunter-Lab	67.1704, -33.6574, 8.9569

Details

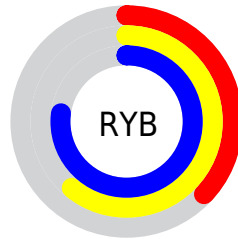
The XYZ color **31.5685, 45.1186, 43.1213** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.8856, 21.5622, 22.2744**, and the grayscale version is **34.8091, 36.6219, 39.8812**.

A 20% lighter version of the original color is **61.4419, 82.7795, 81.1463**, and **13.4248, 21.1511, 19.2946** is the 20% darker color. If you saturate the color by 10%, you get **29.2388, 43.9807, 40.2121**, and if you desaturate by 10%, it is **34.4437, 46.5370, 46.1915**.

Distribution



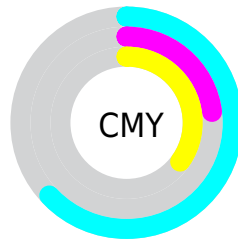
- Red (37%)
- Green (77%)
- Blue (65%)



- Red (37%)
- Yellow (61%)
- Blue (77%)



- Cyan (52%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)



- Cyan (63%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5685, 45.1186, 43.1213 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 31.5685, 45.1186, 43.1213 by changing the saturation by 10% instead.

■ 31.5685, 45.1186,
43.1213

■ 31.5685, 45.1186,
43.1213

300.9292,
367.2537, 375.0462

■ 21.1861, 31.5509,
29.6482

■ 61.5038, 82.8984,
81.1822

■ 13.3733, 21.0187,
19.3219

■ 81.7874, 107.8792,
106.6071

■ 7.7649, 13.1376,
11.7240

■ 106.1020,
137.4331, 136.8529

■ 3.9954, 7.5234,
6.4358

■ 134.8132,
171.9446, 172.3383

■ 1.6995, 3.7915,
3.0388

168.2861,
211.7980, 213.4818

■ 0.4560, 1.5576,
1.1145

206.8862,

■ 0.0000, 0.3288,

257.3777, 260.7020

0.0000

250.9788,
309.0681, 314.4173

■ 0.0000, 0.0000,
0.0000

■ 31.5685, 45.1186,
43.1213

■ 31.5685, 45.1186,
43.1213

■ 29.2388, 43.9807,
40.2121

■ 34.4437, 46.5370,
46.1915

■ 27.4107, 43.0974,
37.4572

■ 37.8966, 48.2491,
49.4230

■ 26.0395, 42.4468,
34.8535

■ 41.9613, 50.2736,
52.8202

■ 25.0705, 42.0006,
32.3967

■ 46.6681, 52.6260,
56.3861

■ 24.4915, 41.7439,
30.4810

■ 52.0453, 55.3208,
60.1237

■ 58.1193, 58.3718,
64.0360

■ 64.9152, 61.7918,
68.1256

■ 72.4569, 65.5929,
72.3954

■ 74.1109, 66.3556,
76.5363

Harmonies

Analogous

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



33.8789, 45.1186, 29.3081



31.5685, 45.1186, 43.1213



32.0428, 45.1186, 62.6634

Triad

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



31.5685, 45.1186, 43.1213



47.3814, 45.1186, 91.7373



51.5493, 45.1186, 26.2142

Complementary

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



31.5685, 45.1186, 43.1213



30.8856, 21.5622, 22.2744

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.



55.9300, 45.1186, 37.6946



31.5685, 45.1186, 43.1213



53.3579, 45.1186, 76.3192

Square

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



31.5685, 45.1186, 43.1213



40.7323, 45.1186, 94.2741



56.6238, 45.1186, 55.6648



45.1099, 45.1186, 21.3381

Rectangle

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



31.5685, 45.1186, 43.1213



33.8935, 45.1186, 76.3972



56.6238, 45.1186, 55.6648



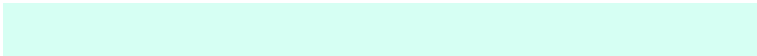
53.3382, 45.1186, 29.2669

Sweetspot

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



31.5698, 45.1204, 43.1223



79.6672, 92.2931, 98.0925



30.8304, 45.2957, 17.9452



16.6777, 19.5675, 20.7108



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.



31.5698, 45.1204, 43.1223



51.9351, 78.5583, 71.4236



30.7789, 38.4261, 58.6202



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.



30.8856, 21.5622, 22.2744



50.6127, 31.8338, 30.2460



31.0765, 24.6648, 13.9501



10.7644, 10.6891, 11.7424



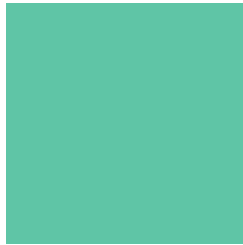
15.7124, 8.0345, 3.6956



0.7767, 0.3935, 0.3471

Previews

White Background



This preview shows how the XYZ color 31.5685, 45.1186, 43.1213 looks on a white background.

Color Contrast Check

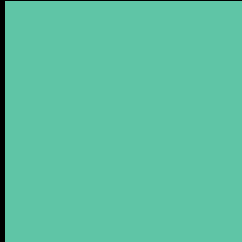
Large Text (above 18pt) WCAG AA × Fail

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 31.5685, 45.1186, 43.1213 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 31.5685, 45.1186, 43.1213

Background



This preview shows how black text looks on a background with the XYZ color 31.5685, 45.1186, 43.1213.



This preview shows how white text looks on a background with the XYZ color 31.5685, 45.1186,

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

31.5685, 45.1186, 43.1213

Protanopia

41.9726, 44.2837, 37.7879

Deuteranopia

45.3919, 44.4511, 44.7156



Tritanopia

35.9567, 44.8924, 65.8015

Trichromacy



Original Color

31.5685, 45.1186, 43.1213



Protanomaly

36.6225, 43.5913, 39.7415



Deuteranomaly

38.3832, 43.4894, 43.9074



Tritanomaly

34.1779, 44.8293, 56.7207

Monochromacy



Original Color

31.5685, 45.1186, 43.1213



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.5120, 38.7436, 40.8866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5685, 45.1186, 43.1213 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(95, 197, 166)` looks like.

```
.text, #text, p{  
    color:rgb(95, 197, 166)  
}
```

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(95, 197, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 197, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.5685, 45.1186, 43.1213 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(95, 197, 166) }
```


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

```
.border{ border-color:rgb(95, 197, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 197, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 197, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 197, 166);  
box-shadow:4px 4px 4px 4px rgb(95, 197,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5685, 45.1186, 43.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 197, 166) }
```

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

```
.background{ background-color: rgb(95, 197,  
166) }
```

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