

Converting Colors

XYZ(31.9275, 51.4128, 25.3202)

Have a look what the booklet for
XYZ(31.9275, 51.4128, 25.3202)
contains.

XYZ(31.8881, 51.3833, 25.3768)	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(31.8881, 51.3833,
25.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	60D576
RGB	96, 213, 118
RGB Percent	38%, 84%, 46%
CMY	0.6235, 0.1647, 0.5372
CMYK	0.55, 0.00, 0.45, 0.16
HSL	131°, 58%, 61%
HSV	131°, 55%, 84%
XYZ	31.8881, 51.3833, 25.3768
YIQ	167.1870, -39.2370, -54.3490

Conversions

Conversions Part 2

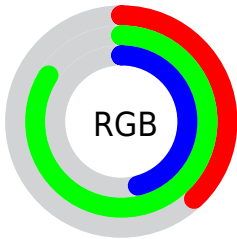
Format	Color
RYB	96, 194, 213
Decimal	6346102
CIELab	76.91, -53.05, 37.11
CIELCh	77, 64.739, 145.024
Yxy	51.3833, 0.2935, 0.4729
Android (android.graphics.Color)	4284536182 (0xFF60D576)
YUV	167.1870, -24.2492, -62.4310
Hunter-Lab	71.6821, -46.0373, 29.1877

Details

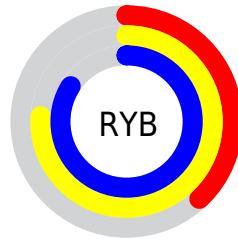
The XYZ color **31.8881, 51.3833, 25.3768** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.0289, 26.2743, 52.2006**, and the grayscale version is **36.9511, 38.8754, 42.3353**.

A 20% lighter version of the original color is **56.6283, 81.4288, 51.2608**, and **13.4961, 24.7388, 9.3739** is the 20% darker color. If you saturate the color by 10%, you get **29.0082, 50.0082, 20.3606**, and if you desaturate by 10%, it is **35.5661, 53.1510, 31.4163**.

Distribution



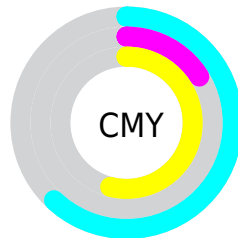
- Red (38%)
- Green (84%)
- Blue (46%)



- Red (38%)
- Yellow (76%)
- Blue (84%)



- Cyan (55%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)





- Cyan (62%)
- Magenta (16%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8881, 51.3833, 25.3768 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 31.8881, 51.3833, 25.3768 by changing the saturation by 10% instead.


 31.8881, 51.3833,
25.3768


 31.8881, 51.3833,
25.3768


302.3635,
392.0512, 293.2168


 21.4312, 36.5137,
16.1364


 62.0020, 92.2211,
53.2395


 13.5538, 24.8312,
9.4653


 82.3897, 118.9581,
72.6990

 7.8906, 15.9514,
4.9450


 106.8183,
150.4198, 96.4019

 4.0762, 9.4897,
2.1569

 135.6533,
186.9905, 124.7667

 1.7454, 5.0620,
0.6493

169.2600,
229.0545, 158.2121

 0.4844, 2.2837,
0.0000

208.0037,

 0.0000, 0.7650,

276.9964, 197.1565

0.0000

252.2497,
331.2005, 242.0186

■ 0.0000, 0.0000,
0.0000

■ 31.8881, 51.3833,
25.3768

■ 31.8881, 51.3833,
25.3768

■ 29.0082, 50.0082,
20.3606

■ 35.5661, 53.1510,
31.4163

■ 26.8619, 48.9892,
16.3075

■ 40.0925, 55.3317,
38.5278

■ 25.3809, 48.2939,
13.1564

■ 45.5180, 57.9520,
46.7613

■ 24.4813, 47.8806,
10.8377

■ 51.8880, 61.0345,
56.1623

■ 24.1792, 47.7441,
9.9535

■ 59.2452, 64.5999,
66.7740

■ 67.6291, 68.6681,
78.6374

■ 77.0776, 73.2576,
91.7914

■ 83.0853, 76.0705,
104.9118

Harmonies

Analogous

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



39.4889, 51.3833, 14.2441



31.8881, 51.3833, 25.3768



28.8386, 51.3833, 50.2684

Triad

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



31.8881, 51.3833, 25.3768



46.8128, 51.3833, 154.3827



73.5971, 51.3833, 31.8801

Complementary

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



31.8881, 51.3833, 25.3768



41.0289, 26.2743, 52.2006

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.



76.4380, 51.3833, 62.0394



31.8881, 51.3833, 25.3768



59.5579, 51.3833, 142.6679

Square

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



31.8881, 51.3833, 25.3768



36.4807, 51.3833, 131.9664



70.9299, 51.3833, 104.5341



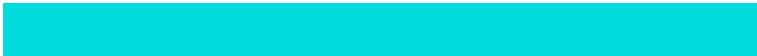
63.7121, 51.3833, 16.7405

Rectangle

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



31.8881, 51.3833, 25.3768



29.3486, 51.3833, 75.4384



70.9299, 51.3833, 104.5341



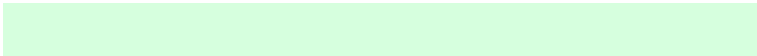
75.4710, 51.3833, 40.1414

Sweetspot

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



31.8894, 51.3854, 25.3780



76.7177, 91.1133, 82.5606



47.5319, 59.5833, 20.0621



15.9770, 19.2872, 17.0208



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.



31.8894, 51.3854, 25.3780



42.9532, 74.8481, 29.4313



36.4510, 53.2101, 49.3993



12.3569, 13.9338, 13.6937



14.7970, 29.1742, 6.2269



0.9213, 1.7712, 0.5274

Inverse Universe

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



41.0289, 26.2743, 52.2006



57.9908, 33.3747, 73.4469



35.8619, 24.2075, 24.9915



12.8482, 12.5908, 15.1409



21.4019, 10.4971, 25.2182



1.3173, 0.6437, 1.6604

Previews

White Background



This preview shows how the XYZ color 31.8881, 51.3833, 25.3768 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 31.8881, 51.3833, 25.3768 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 31.8881, 51.3833, 25.3768

Background



This preview shows how black text looks on a background with the XYZ color 31.8881, 51.3833, 25.3768.



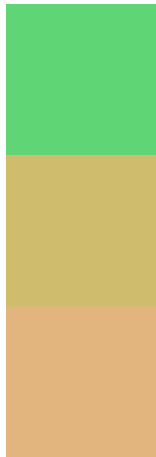
This preview shows how white text looks on a background with the XYZ color 31.8881, 51.3833,

25.3768.

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

31.8881, 51.3833, 25.3768

Protanopia

46.6900, 50.7647, 21.8057

Deuteranopia

51.4512, 50.3176, 26.7392



Tritanopia

41.6606, 51.3680, 74.0489

Trichromacy



Original Color

31.8881, 51.3833, 25.3768



Protanomaly

39.0551, 49.7735, 22.8781



Deuteranomaly

41.0152, 48.7130, 25.9797



Tritanomaly

37.1969, 50.9648, 52.1327

Monochromacy



Original Color

31.8881, 51.3833, 25.3768



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.5498, 42.1136, 34.7943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8881, 51.3833, 25.3768 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, 213, 118)` looks like.

```
.text, #text, p{  
    color:rgb(96, 213, 118)  
}
```

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, 213, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 213, 118) }
```

Border

The CSS property to change the border of an element to XYZ 31.8881, 51.3833, 25.3768 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, 213, 118) }
```


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

```
.border{ border-color:rgb(96, 213, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 213, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 213, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 213, 118);  
box-shadow:4px 4px 4px 4px rgb(96, 213,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8881, 51.3833, 25.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 213, 118) }
```

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

```
.background{ background-color: rgb(96, 213,  
118) }
```

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