

Converting Colors

XYZ(31.1985, 52.4996, 26.2410)

Have a look what the booklet for
XYZ(31.1985, 52.4996, 26.2410)
contains.

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Color

**XYZ(31.1835, 52.5183,
26.2628)**

Conversions

Conversions Part 1

Format	Color
Hex	4CD978
RGB	76, 217, 120
RGB Percent	30%, 85%, 47%
CMY	0.7020, 0.1490, 0.5294
CMYK	0.65, 0.00, 0.45, 0.15
HSL	139°, 65%, 57%
HSV	139°, 65%, 85%
XYZ	31.1835, 52.5183, 26.2628
YIQ	163.7830, -52.8990, -60.0590

Conversions

Conversions Part 2

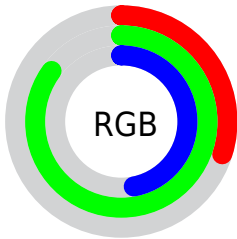
Format	Color
RYB	76, 183, 217
Decimal	5036408
CIELab	77.59, -58.55, 36.87
CIELCh	78, 69.191, 147.805
Yxy	52.5183, 0.2836, 0.4776
Android (android.graphics.Color)	4283226488 (0xFF4CD978)
YUV	163.7830, -21.5850, -76.9857
Hunter-Lab	72.4695, -50.0134, 29.2421

Details

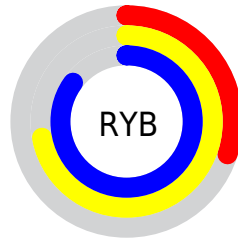
The XYZ color **31.1835, 52.5183, 26.2628** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **38.7441, 22.9387, 41.9222**, and the grayscale version is **35.3019, 37.1403, 40.4458**.

A 20% lighter version of the original color is **53.9503, 80.0261, 52.1383**, and **13.8190, 25.9194, 9.9048** is the 20% darker color. If you saturate the color by 10%, you get **28.9050, 51.4418, 21.7904**, and if you desaturate by 10%, it is **34.1871, 53.9552, 31.5088**.

Distribution



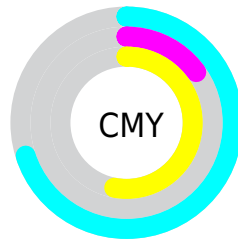
- Red (30%)
- Green (85%)
- Blue (47%)



- Red (30%)
- Yellow (72%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (45%)
- Black (15%)





- Cyan (70%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1835, 52.5183, 26.2628 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 31.1835, 52.5183, 26.2628 by changing the saturation by 10% instead.


 31.1835, 52.5183,
26.2628


 31.1835, 52.5183,
26.2628


299.1946,
396.4343, 297.7162


 20.8911, 37.4184,
16.7928


 60.9027, 93.8952,
54.6879


 13.1565, 25.5316,
9.9265


 81.0603, 120.9409,
74.4801

 7.6141, 16.4735,
5.2453


 105.2370,
152.7374, 98.5501

 3.8987, 9.8599,
2.3306

 133.7982,
189.6689, 127.3164

 1.6450, 5.3061,
0.7483

167.1092,
232.1200, 161.1977

 0.4215, 2.4280,
0.0000

205.5353,

 0.0000, 0.8402,

280.4750, 200.6124

0.0000

249.4420,
335.1183, 245.9790

■ 0.0000, 0.0000,
0.0000

■ 31.1835, 52.5183,
26.2628

■ 31.1835, 52.5183,
26.2628

■ 28.9050, 51.4418,
21.7904

■ 34.1871, 53.9552,
31.5088

■ 27.2800, 50.6852,
18.0508

■ 37.9707, 55.7757,
37.5595

■ 26.2280, 50.2092,
15.0046

■ 42.5882, 58.0084,
44.4485

■ 25.8487, 50.0417,
13.7205

■ 48.0873, 60.6773,
52.2064

■ 54.5122, 63.8045,
60.8623

■ 61.9040, 67.4107,
70.4439

■ 70.3013, 71.5152,
80.9776

■ 79.7405, 76.1363,
92.4889

■ 84.0010, 78.0666,
104.7095

Harmonies

Analogous

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



38.8689, 52.5183, 13.6755



31.1835, 52.5183, 26.2628



28.3985, 52.5183, 54.4123

Triad

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



31.1835, 52.5183, 26.2628



48.9398, 52.5183, 166.6844



76.2578, 52.5183, 29.2759

Complementary

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



31.1835, 52.5183, 26.2628



38.7441, 22.9387, 41.9222

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.



80.2337, 52.5183, 60.0473



31.1835, 52.5183, 26.2628



62.8825, 52.5183, 150.0496

Square

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



31.1835, 52.5183, 26.2628



37.4445, 52.5183, 144.7536



74.9604, 52.5183, 106.0125



64.8908, 52.5183, 14.7899

Rectangle

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



31.1835, 52.5183, 26.2628



29.2384, 52.5183, 82.7550



74.9604, 52.5183, 106.0125



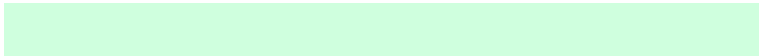
78.5829, 52.5183, 37.5106

Sweetspot

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



31.1848, 52.5205, 26.2640



74.5071, 89.9769, 82.3154



43.7311, 59.2292, 15.9653



15.3811, 18.9831, 16.8535



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.



31.1848, 52.5205, 26.2640



40.6765, 73.6757, 29.2691



36.9585, 54.8299, 56.6677



13.0531, 14.6728, 14.7423



15.6889, 30.3082, 8.5269



1.0546, 1.9788, 0.7534

Inverse Universe

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



38.7441, 22.9387, 41.9222



52.2770, 27.9452, 53.0507



33.7100, 20.9250, 15.4128



13.4324, 13.2021, 15.5383



20.6693, 10.2688, 18.4366



1.3772, 0.6805, 1.3953

Previews

White Background



This preview shows how the XYZ color 31.1835, 52.5183, 26.2628 looks on a white background.

Color Contrast Check

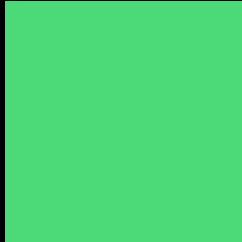
Large Text (above 18pt) WCAG AA × Fail

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 31.1835, 52.5183, 26.2628 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

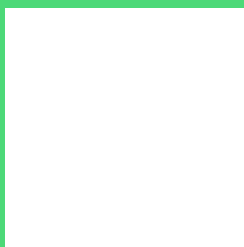
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1835, 52.5183, 26.2628

Background



This preview shows how black text looks on a background with the XYZ color 31.1835, 52.5183, 26.2628.



This preview shows how white text looks on a background with the XYZ color 31.1835, 52.5183,

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

31.1835, 52.5183, 26.2628

Protanopia

47.2404, 51.3626, 22.1760

Deuteranopia

52.6191, 51.5084, 27.5909



Tritanopia

41.2005, 52.1247, 76.9968

Trichromacy



Original Color

31.1835, 52.5183, 26.2628



Protanomaly

38.1887, 49.9970, 23.5572



Deuteranomaly

40.4504, 49.3951, 26.8043



Tritanomaly

36.3813, 51.5905, 53.9394

Monochromacy



Original Color

31.1835, 52.5183, 26.2628



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.7945, 40.9106, 34.2378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1835, 52.5183, 26.2628 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(76, 217, 120)` looks like.

```
.text, #text, p{  
    color:rgb(76, 217, 120)  
}
```

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(76, 217, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 217, 120) }
```

Border

The CSS property to change the border of an element to XYZ 31.1835, 52.5183, 26.2628 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(76, 217, 120) }
```


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

```
.border{ border-color:rgb(76, 217, 120) }
```

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

Here you see how a box with a 4 pixel rgb(76, 217, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 217, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 217, 120);  
box-shadow:4px 4px 4px 4px rgb(76, 217,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1835, 52.5183, 26.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 217, 120) }
```

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

```
.background{ background-color: rgb(76, 217,  
120) }
```

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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