

Converting Colors

XYZ(26.9267, 48.5487, 15.2140)

Have a look what the booklet for
XYZ(26.9267, 48.5487, 15.2140)
contains.

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Color

**XYZ(26.9685, 48.6938,
15.1852)**

Conversions

Conversions Part 1

Format	Color
Hex	3FD44E
RGB	63, 212, 78
RGB Percent	25%, 83%, 31%
CMY	0.7529, 0.1686, 0.6941
CMYK	0.70, 0.00, 0.63, 0.17
HSL	126°, 63%, 54%
HSV	126°, 70%, 83%
XYZ	26.9685, 48.6938, 15.1852
YIQ	152.1730, -45.7900, -73.2620

Conversions

Conversions Part 2

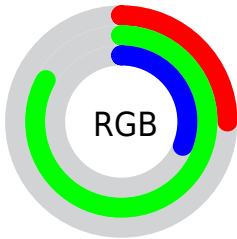
Format	Color
RYB	63, 198, 212
Decimal	4183118
CIELab	75.26, -64.81, 53.63
CIELCh	75, 84.119, 140.392
Yxy	48.6938, 0.2969, 0.5360
Android (android.graphics.Color)	4282373198 (0xFF3FD44E)
YUV	152.1730, -36.5673, -78.2047
Hunter-Lab	69.7809, -53.1311, 35.9444

Details

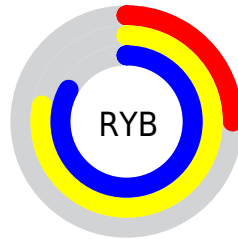
The XYZ color **26.9685, 48.6938, 15.1852** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **39.0081, 21.5839, 54.9334**, and the grayscale version is **30.0880, 31.6549, 34.4722**.

A 20% lighter version of the original color is **49.1308, 77.9318, 34.2827**, and **12.0060, 23.8240, 4.5818** is the 20% darker color. If you saturate the color by 10%, you get **25.2790, 47.8921, 12.0411**, and if you desaturate by 10%, it is **29.3795, 49.8474, 19.3994**.

Distribution



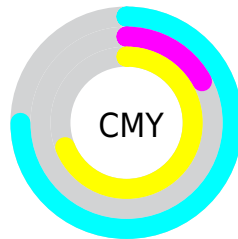
- Red (25%)
- Green (83%)
- Blue (31%)



- Red (25%)
- Yellow (78%)
- Blue (83%)



- Cyan (70%)
- Magenta (0%)
- Yellow (63%)
- Black (17%)



- Cyan (75%)
- Magenta (17%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9685, 48.6938, 15.1852 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 26.9685, 48.6938, 15.1852 by changing the saturation by 10% instead.

■ 26.9685, 48.6938,
15.1852

■ 26.9685, 48.6938,
15.1852

279.6749,
381.5356, 236.1637

■ 17.6860, 34.3766,
8.8014

■ 54.2536, 88.2365,
35.9246

■ 10.8231, 23.1831,
4.5168

■ 72.9869, 114.2309,
51.1174

■ 6.0144, 14.7288,
1.9129

■ 95.6012, 144.8864,
70.0835

■ 2.8946, 8.6292,
0.5010

■ 122.4618,
180.5875, 93.2415

■ 1.0983, 4.5002,
0.0000

■ 153.9341,
221.7186, 121.0100

■ 0.0237, 1.9571,
0.0000

190.3835,

■ 0.0000, 0.5824,

268.6640, 153.8075

0.0000

232.1753,
321.8083, 192.0526

■ 0.0000, 0.0000,
0.0000

■ 26.9685, 48.6938,
15.1852

■ 26.9685, 48.6938,
15.1852

■ 25.2790, 47.8921,
12.0411

■ 29.3795, 49.8474,
19.3994

■ 24.2262, 47.3964,
9.8677


■ 32.5776, 51.3806,
24.7647


■ 23.6831, 47.1444,
8.5781


■ 36.6249, 53.3253,
31.3584


■ 41.5763, 55.7083,
39.2499

■ 47.4821, 58.5542,
48.5034

 54.3889, 61.8856,
59.1791

 62.3401, 65.7238,
71.3333

 71.3767, 70.0888,
85.0195

 81.5375, 74.9995,
100.2884

Harmonies

Analogous

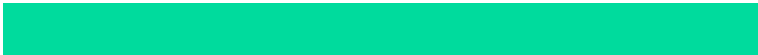
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.6878, 48.6938, 6.5833



26.9685, 48.6938, 15.1852



22.7455, 48.6938, 40.0555

Triad

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



26.9685, 48.6938, 15.1852



41.5012, 48.6938, 188.8212



80.0642, 48.6938, 28.5661

Complementary

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



26.9685, 48.6938, 15.1852



39.0081, 21.5839, 54.9334

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.



82.1637, 48.6938, 68.5158



26.9685, 48.6938, 15.1852



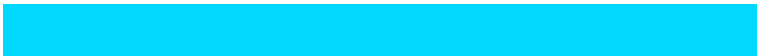
57.4180, 48.6938, 179.3380

Square

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



26.9685, 48.6938, 15.1852



29.8161, 48.6938, 149.2208



73.1330, 48.6938, 127.8079



67.9093, 48.6938, 10.7851

Rectangle

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



26.9685, 48.6938, 15.1852



22.7895, 48.6938, 69.8852



73.1330, 48.6938, 127.8079



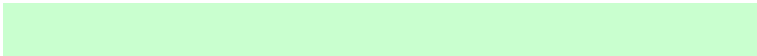
82.0602, 48.6938, 39.1119

Sweetspot

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



26.9697, 48.6958, 15.1863



71.2118, 88.4972, 72.2588



47.4948, 59.3321, 13.6516



14.6829, 18.6724, 14.5933



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.



26.9697, 48.6958, 15.1863



37.5462, 72.3392, 16.5947



31.2949, 50.4259, 37.9626



12.3127, 13.9161, 13.4612



14.6374, 29.1103, 5.3861



0.9006, 1.7629, 0.4182

Inverse Universe

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



39.0081, 21.5839, 54.9334



56.7957, 28.7399, 79.9679



32.4803, 18.9728, 20.5586



12.8966, 12.6101, 15.3958



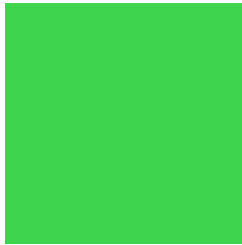
22.5652, 10.9624, 31.3442



1.3770, 0.6676, 1.9744

Previews

White Background



This preview shows how the XYZ color 26.9685, 48.6938, 15.1852 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 26.9685, 48.6938, 15.1852 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 26.9685, 48.6938, 15.1852

Background



This preview shows how black text looks on a background with the XYZ color 26.9685, 48.6938, 15.1852.

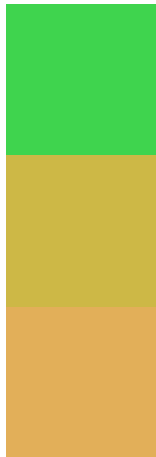


This preview shows how white text looks on a background with the XYZ color 26.9685, 48.6938,

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

26.9685, 48.6938, 15.1852

Protanopia

43.4228, 47.7023, 12.7132

Deuteranopia

48.4972, 47.5500, 16.0732



Tritanopia

38.2827, 48.6367, 71.6601

Trichromacy



Original Color

26.9685, 48.6938, 15.1852



Protanomaly

33.6313, 45.8369, 13.3782



Deuteranomaly

35.5593, 44.8378, 15.3747



Tritanomaly

32.4089, 47.9771, 43.1497

Monochromacy



Original Color

26.9685, 48.6938, 15.1852



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.5835, 35.7458, 24.9006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9685, 48.6938, 15.1852 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(63, 212, 78)` looks like.

```
.text, #text, p{  
    color:rgb(63, 212, 78)  
}
```

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(63, 212, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 212, 78) }
```

Border

The CSS property to change the border of an element to XYZ 26.9685, 48.6938, 15.1852 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(63, 212, 78) }
```


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

```
.border{ border-color:rgb(63, 212, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 212, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 212, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 212, 78);  
box-shadow:4px 4px 4px 4px rgb(63, 212,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9685, 48.6938, 15.1852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 212, 78) }
```

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

```
.background{ background-color: rgb(63, 212,  
78) }
```

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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