

# Converting Colors

XYZ(26.8439, 51.4133, 14.6785)

Have a look what the booklet for  
XYZ(26.8439, 51.4133, 14.6785)  
contains.

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# Color

**XYZ(26.7698, 51.2694,  
14.6160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13DB48
RGB	19, 219, 72
RGB Percent	7%, 86%, 28%
CMY	0.9255, 0.1412, 0.7176
CMYK	0.91, 0.00, 0.67, 0.14
HSL	136°, 84%, 47%
HSV	136°, 91%, 86%
XYZ	26.7698, 51.2694, 14.6160
YIQ	142.4420, -72.0130, -88.1170

# Conversions

## Conversions Part 2

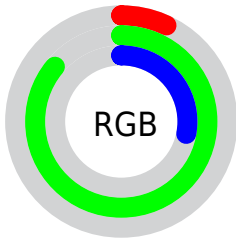
Format	Color
<a href="#">RYB</a>	<a href="#">19, 177, 219</a>
Decimal	<a href="#">1301320</a>
CIELab	<a href="#">76.84, -72.43, 57.67</a>
CIELCh	<a href="#">77, 92.586, 141.475</a>
Yxy	<a href="#">51.2694, 0.2889, 0.5533</a>
Android (android.graphics.Color)	<a href="#">4279491400 (0xFF13DB48)</a>
YUV	<a href="#">142.4420, -34.7279, -108.2586</a>
Hunter-Lab	<a href="#">71.6027, -58.5696, 38.0192</a>

# Details

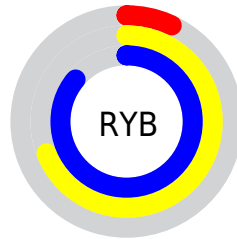
The XYZ color **26.7698, 51.2694, 14.6160** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **36.3306, 18.2798, 37.6909**, and the grayscale version is **26.0418, 27.3980, 29.8364**.

A 20% lighter version of the original color is **46.1463, 76.4318, 32.3993**, and **12.9313, 25.8450, 4.3645** is the 20% darker color. If you saturate the color by 10%, you get **26.0972, 50.9710, 12.4710**, and if you desaturate by 10%, it is **28.0088, 51.8408, 17.7847**.

# Distribution



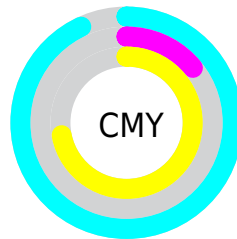
- Red (7%)
- Green (86%)
- Blue (28%)



- Red (7%)
- Yellow (69%)
- Blue (86%)



- Cyan (91%)
- Magenta (0%)
- Yellow (67%)
- Black (14%)




- Cyan (93%)
- Magenta (14%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7698, 51.2694, 14.6160 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 26.7698, 51.2694, 14.6160 by changing the saturation by 10% instead.





 26.7698, 51.2694,  
14.6160


 26.7698, 51.2694,  
14.6160


278.7287,  
391.6096, 232.5902


 17.5361, 36.4231,  
8.4067


 53.9367, 92.0529,  
34.9108


 10.7151, 24.7611,  
4.2648


 72.6007, 118.7588,  
49.8335


 5.9415, 15.8992,  
1.7717


 95.1388, 150.1867,  
68.4976

 2.8499, 9.4528,  
0.4092

 121.9164,  
186.7209, 91.3218

 1.0749, 5.0377,  
0.0000

 153.2988,  
228.7459, 118.7247

 0.0039, 2.2694,  
0.0000

189.6514,

 0.0000, 0.7574,

276.6461, 151.1246

0.0000

231.3396,  
330.8059, 188.9403

■ 0.0000, 0.0000,  
0.0000

■ 26.7698, 51.2694,  
14.6160

■ 26.7698, 51.2694,  
14.6160

■ 26.0972, 50.9710,  
12.4710

■ 28.0088, 51.8408,  
17.7847

■ 29.8787, 52.7189,  
21.7506

■ 32.4601, 53.9458,  
26.5650

■ 35.8203, 55.5552,  
32.2740

■ 40.0184, 57.5766,  
38.9200

■ 45.1074, 60.0366,  
46.5428

■ 51.1363, 62.9597,  
55.1800

■ 58.1501, 66.3683,  
64.8669

■ 66.1910, 70.2835,  
75.6375

# Harmonies

## Analogous

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



37.3669, 51.2694, 5.4960



26.7698, 51.2694, 14.6160



22.3507, 51.2694, 42.6604

# Triad

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



26.7698, 51.2694, 14.6160



43.8862, 51.2694, 216.8628



87.4673, 51.2694, 27.3407

# Complementary

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



26.7698, 51.2694, 14.6160



36.3306, 18.2798, 37.6909

# 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.



90.4159, 51.2694, 71.4493



26.7698, 51.2694, 14.6160



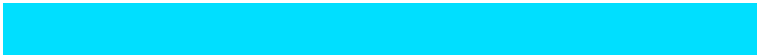
62.1908, 51.2694, 203.1873

# Square

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



26.7698, 51.2694, 14.6160



30.5534, 51.2694, 171.0690



80.2691, 51.2694, 140.5026



72.9782, 51.2694, 9.1613



# Rectangle

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



26.7698, 51.2694, 14.6160



22.5310, 51.2694, 77.3967



80.2691, 51.2694, 140.5026



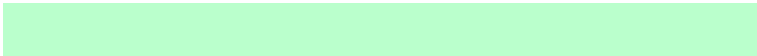
89.9601, 51.2694, 38.6855

# Sweetspot

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



26.7710, 51.2715, 14.6172



66.9928, 86.3566, 70.5136



41.8131, 59.1475, 9.8291



13.7383, 18.1927, 14.2224



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.



26.7710, 51.2715, 14.6172



36.7905, 71.9322, 17.3467



32.7629, 53.6683, 46.1702



13.0275, 14.6626, 14.6078



15.5126, 30.2377, 7.5987



1.0405, 1.9731, 0.6791



# Inverse Universe

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



36.3306, 18.2798, 37.6909



50.2550, 24.8660, 49.4023



30.5218, 15.9562, 7.1019



13.4594, 13.2129, 15.6804



21.1822, 10.4739, 21.1372

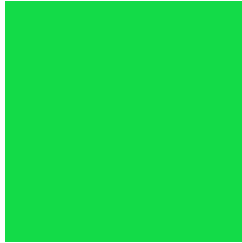


1.4072, 0.6925, 1.5530



# Previews

## White Background



This preview shows how the XYZ color 26.7698, 51.2694, 14.6160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

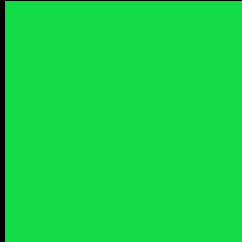
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.7698, 51.2694, 14.6160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

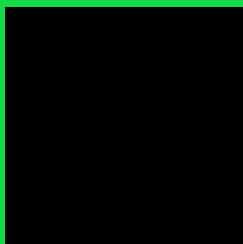
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 26.7698, 51.2694, 14.6160**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7698, 51.2694, 14.6160.



This preview shows how white text looks on a background with the XYZ color 26.7698, 51.2694,



# 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

26.7698, 51.2694, 14.6160

### Protanopia

45.4870, 50.0382, 12.1114

### Deuteranopia

51.0385, 50.0519, 15.5653



## Tritanopia

39.0989, 51.0568, 76.2008

# Trichromacy



## Original Color

26.7698, 51.2694, 14.6160



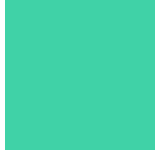
## Protanomaly

32.4210, 46.9148, 12.6569



## Deuteranomaly

34.2573, 46.1313, 14.6881



## Tritanomaly

32.1360, 49.9732, 44.5113

# Monochromacy



## Original Color

26.7698, 51.2694, 14.6160



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

22.5154, 32.5752, 21.9306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7698, 51.2694, 14.6160 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(19, 219, 72)` looks like.

```
.text, #text, p{  
    color:rgb(19, 219, 72)  
}
```

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(19, 219, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 219, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7698, 51.2694, 14.6160 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(19, 219, 72) }
```



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

```
.border{ border-color:rgb(19, 219, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 219, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 219, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 219, 72);  
box-shadow:4px 4px 4px 4px rgb(19, 219,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7698, 51.2694, 14.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 219, 72) }
```

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

```
.background{ background-color: rgb(19, 219,  
72) }
```

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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