

# Converting Colors

XYZ(27.0380, 51.4710, 17.0436)

Have a look what the booklet for  
XYZ(27.0380, 51.4710, 17.0436)  
contains.

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# Color

**XYZ(26.9712, 51.3189,  
17.0783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DB55
RGB	0, 219, 85
RGB Percent	0%, 86%, 33%
CMY	1.0000, 0.1412, 0.6667
CMYK	1.00, 0.00, 0.61, 0.14
HSL	143°, 100%, 43%
HSV	143°, 100%, 86%
XYZ	26.9712, 51.3189, 17.0783
YIQ	138.2430, -87.5100, -88.1020

# Conversions

## Conversions Part 2

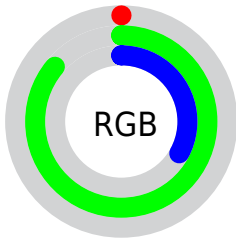
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 158, 219
Decimal	56149
CIELab	76.87, -71.74, 52.26
CIELCh	77, 88.761, 143.927
Yxy	51.3189, 0.2828, 0.5381
Android (android.graphics.Color)	4278246229 (0xFF00DB55)
YUV	138.2430, -26.2488, -121.2391
Hunter-Lab	71.6372, -58.1604, 36.0113

# Details

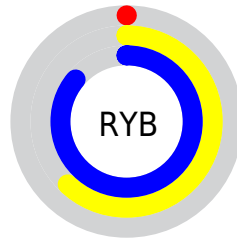
The XYZ color **26.9712, 51.3189, 17.0783** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **33.5182, 16.7822, 24.0296**, and the grayscale version is **24.3731, 25.6424, 27.9246**.

A 20% lighter version of the original color is **46.4836, 76.5099, 36.7440**, and **13.1421, 25.9294, 5.4746** is the 20% darker color. If you saturate the color by 10%, you get **26.9722, 51.3209, 17.0785**, and if you desaturate by 10%, it is **27.8851, 51.7240, 20.1696**.

# Distribution



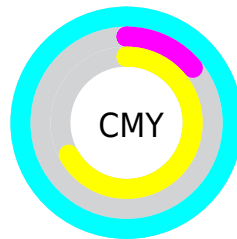
- Red (0%)
- Green (86%)
- Blue (33%)



- Red (0%)
- Yellow (62%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9712, 51.3189, 17.0783 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 26.9712, 51.3189, 17.0783 by changing the saturation by 10% instead.





 26.9712, 51.3189,  
17.0783


 26.9712, 51.3189,  
17.0783


279.6877,  
391.8015, 247.6824


 17.6881, 36.4625,  
10.1278


 54.2579, 92.1260,  
39.2528

 10.8246, 24.7916,  
5.3771


 72.9921, 118.8454,  
55.3140


 6.0154, 15.9218,  
2.4076


 95.6074, 150.2880,  
75.2490

 2.8952, 9.4689,  
0.7906

 122.4692,  
186.8381, 99.4766

 1.0986, 5.0482,  
0.0000

 153.9428,  
228.8801, 128.4151

 0.0239, 2.2756,  
0.0000

190.3935,

 0.0000, 0.7607,

276.7984, 162.4833

0.0000

232.1867,  
330.9774, 202.0995

■ 0.0000, 0.0000,  
0.0000

■ 26.9712, 51.3189,  
17.0783

■ 26.9712, 51.3189,  
17.0783

■ 26.9722, 51.3209,  
17.0785

■ 27.8851, 51.7240,  
20.1696

■ 29.2767, 52.3617,  
23.8361

■ 31.2745, 53.2991,  
28.1102

■ 33.9515, 54.5732,  
33.0195

■ 37.3700, 56.2158,  
38.5895

■ 41.5847, 58.2545,  
44.8441

■ 46.6451, 60.7144,  
51.8061

■ 52.5963, 63.6183,  
59.4971

■ 59.4804, 66.9875,  
67.9379

# Harmonies

## Analogous

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



36.7659, 51.3189, 6.7080



26.9712, 51.3189, 17.0783



23.1040, 51.3189, 46.6115

# Triad

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



26.9712, 51.3189, 17.0783



45.4241, 51.3189, 208.5714



84.8521, 51.3189, 26.0285

# Complementary

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



26.9712, 51.3189, 17.0783



33.5182, 16.7822, 24.0296

# 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.



88.6778, 51.3189, 66.2968



26.9712, 51.3189, 17.0783



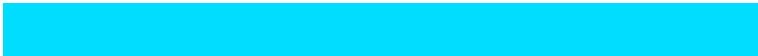
63.1550, 51.3189, 191.1221

# Square

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



26.9712, 51.3189, 17.0783



32.0579, 51.3189, 169.6610



79.9829, 51.3189, 130.3949



70.4849, 51.3189, 9.3962



# Rectangle

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



26.9712, 51.3189, 17.0783



23.5760, 51.3189, 81.3589



79.9829, 51.3189, 130.3949



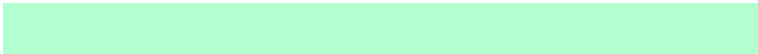
87.5333, 51.3189, 36.3639

# Sweetspot

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



26.9724, 51.3210, 17.0795



65.6437, 85.6077, 72.8620



35.3331, 55.8205, 8.9124



13.3711, 17.9930, 14.6768



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.



26.9724, 51.3210, 17.0795



38.0107, 72.4203, 23.7721



35.0090, 54.5356, 59.3994



13.0947, 14.6895, 14.9616



16.0425, 30.4496, 10.3893



1.0808, 1.9893, 0.8914



# Inverse Universe

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



33.5182, 16.7822, 24.0296



47.2433, 23.6613, 33.5428



29.3962, 15.1334, 2.3232



13.3891, 13.1847, 15.3103



19.9289, 9.9726, 14.5376

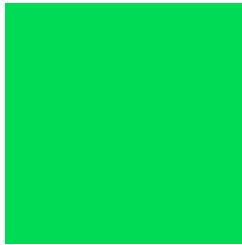


1.3328, 0.6628, 1.1617



# Previews

## White Background



This preview shows how the XYZ color 26.9712, 51.3189, 17.0783 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 26.9712, 51.3189, 17.0783 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 26.9712, 51.3189, 17.0783**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9712, 51.3189, 17.0783.



This preview shows how white text looks on a background with the XYZ color 26.9712, 51.3189,



# 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

26.9712, 51.3189, 17.0783

### Protanopia

45.8661, 50.1899, 14.1077

### Deuteranopia

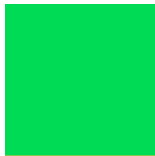
51.2328, 50.0922, 18.2778



## Tritanopia

38.9466, 50.9628, 76.8913

# Trichromacy



## Original Color

26.9712, 51.3189, 17.0783



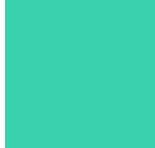
## Protanomaly

31.6662, 46.4797, 14.6996



## Deuteranomaly

33.3002, 45.5769, 17.3980



## Tritanomaly

32.0685, 49.8840, 46.9681

# Monochromacy



## Original Color

26.9712, 51.3189, 17.0783



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

21.1730, 31.0440, 22.3289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9712, 51.3189, 17.0783 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(0, 219, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 85)  
}
```

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(0, 219, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9712, 51.3189, 17.0783 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(0, 219, 85) }
```



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

```
.border{ border-color:rgb(0, 219, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 219, 85)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 26.9712, 51.3189, 17.0783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 85) }
```

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

```
.background{ background-color: rgb(0, 219,  
85) }
```

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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