

# Converting Colors

XYZ(26.3181, 48.3169, 8.1176)

Have a look what the booklet for  
XYZ(26.3181, 48.3169, 8.1176)  
contains.

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# Color

**XYZ(26.2288, 48.0975,  
8.0737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BD306
RGB	75, 211, 6
RGB Percent	29%, 83%, 2%
CMY	0.7059, 0.1725, 0.9764
CMYK	0.64, 0.00, 0.97, 0.17
HSL	100°, 94%, 43%
HSV	100°, 97%, 83%
XYZ	26.2288, 48.0975, 8.0737
YIQ	146.9660, -15.2510, -92.5870

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	6, 211, 142
Decimal	4969222
CIELab	74.89, -66.23, 72.68
CIELCh	75, 98.326, 132.342
Yxy	48.0975, 0.3183, 0.5837
Android (android.graphics.Color)	4283159302 (0xFF4BD306)
YUV	146.9660, -69.4962, -63.1142
Hunter-Lab	69.3524, -53.8586, 41.6444

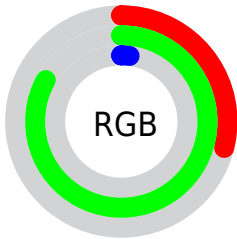
# Details

The XYZ color **26.2288, 48.0975, 8.0737** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **22.9845, 10.5878, 62.4628**, and the grayscale version is **28.0045, 29.4629, 32.0851**.

A 20% lighter version of the original color is **48.2149, 77.7513, 21.0606**, and **11.7213, 23.4427, 3.9071** is the 20% darker color. If you saturate the color by 10%, you get **25.8938, 47.9301, 7.8867**, and if you desaturate by 10%, it is **27.6144, 48.7941, 9.0075**.

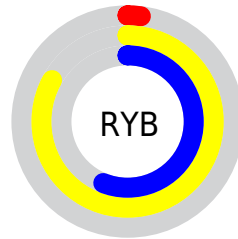
# Distribution



Red (29%)

Green (83%)

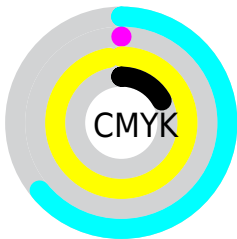
Blue (2%)



Red (2%)

Yellow (83%)

Blue (56%)

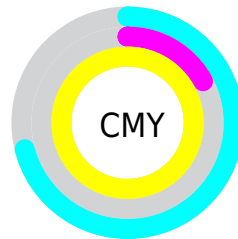


Cyan (64%)

Magenta (0%)

Yellow (97%)

Black (17%)



Cyan (71%)

Magenta (17%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.2288, 48.0975, 8.0737 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 26.2288, 48.0975, 8.0737 by changing the saturation by 10% instead.





 26.2288, 48.0975,  
8.0737


 26.2288, 48.0975,  
8.0737


276.1396,  
379.1785, 186.2651


 17.1285, 33.9041,  
4.0537


 53.0725, 87.3496,  
22.6514

 10.4220, 22.8199,  
1.6548


 71.5466, 113.1770,  
34.0461

 5.7440, 14.4606,  
0.3295


 93.8759, 143.6513,  
48.7361

 2.7292, 8.4417,  
0.0000

 120.4260,  
179.1567, 67.1400

 1.0123, 4.3789,  
0.0000

 151.5620,  
220.0778, 89.6763

 0.0000, 1.8877,  
0.0000

 187.6493,

 0.0000, 0.5410,

266.7988, 116.7636

0.0000

229.0534,  
319.7043, 148.8203

■ 0.0000, 0.0000,  
0.0000

■ 26.2288, 48.0975,  
8.0737

■ 26.2288, 48.0975,  
8.0737

■ 25.8938, 47.9301,  
7.8867

■ 27.6144, 48.7941,  
9.0075

■ 29.4271, 49.6894,  
10.8611

■ 31.7159, 50.8062,  
13.8189

■ 34.5193, 52.1614,  
18.0177

■ 37.8711, 53.7698,  
23.5749

■ 41.8018, 55.6448,  
30.5938

■ 46.3396, 57.7991,  
39.1682

■ 51.5106, 60.2441,  
49.3837

■ 57.3394, 62.9908,  
61.3198

# Harmonies

## Analogous

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



38.7455, 48.0975, 3.0359



26.2288, 48.0975, 8.0737



20.1341, 48.0975, 27.7964

# Triad

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



26.2288, 48.0975, 8.0737



36.0483, 48.0975, 213.6688



88.2610, 48.0975, 33.9987

# Complementary

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



26.2288, 48.0975, 8.0737



22.9845, 10.5878, 62.4628

# 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.



86.9857, 48.0975, 88.3277



26.2288, 48.0975, 8.0737



53.4743, 48.0975, 219.7695

# Square

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



26.2288, 48.0975, 8.0737



24.7004, 48.0975, 150.7872



73.0408, 48.0975, 164.2572



76.1703, 48.0975, 10.0793

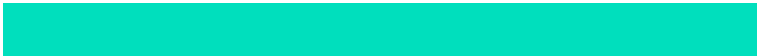


# Rectangle

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



26.2288, 48.0975, 8.0737



19.2259, 48.0975, 56.5018



73.0408, 48.0975, 164.2572



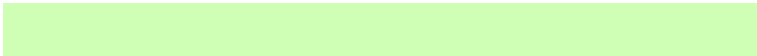
89.4551, 48.0975, 48.4447

# Sweetspot

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



26.2299, 48.0995, 8.0748



69.5407, 87.9705, 57.0578



36.1687, 32.4039, 4.5214



14.2359, 18.5214, 10.9830



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.



26.2299, 48.0995, 8.0748



39.5798, 73.4892, 12.0988



23.7011, 46.7615, 9.5084



12.0258, 13.3968, 12.5640



15.7245, 28.9752, 4.7640



0.9630, 1.6633, 0.2703



# Inverse Universe

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



22.9845, 10.5878, 62.4628



34.4541, 15.6766, 95.8177



35.1950, 17.2861, 44.7992



11.9083, 11.8016, 14.8939



13.7359, 6.2614, 37.6771

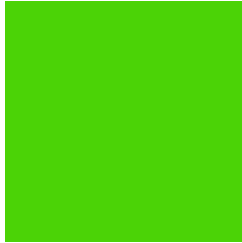


0.8506, 0.3927, 2.1105



# Previews

## White Background



This preview shows how the XYZ color 26.2288, 48.0975, 8.0737 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 26.2288, 48.0975, 8.0737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

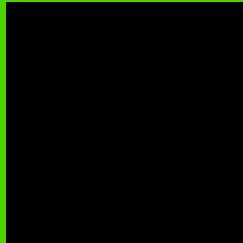
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 26.2288, 48.0975, 8.0737**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.2288, 48.0975, 8.0737.



This preview shows how white text looks on a background with the XYZ color 26.2288, 48.0975,



# 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

26.2288, 48.0975, 8.0737

### Protanopia

42.3871, 46.9888, 6.8357

### Deuteranopia

48.0504, 46.8996, 9.0026



## Tritanopia

38.4336, 47.7440, 69.4772

# Trichromacy



## Original Color

26.2288, 48.0975, 8.0737



## Protanomaly

33.1815, 45.4134, 7.0743



## Deuteranomaly

35.4732, 44.6382, 8.0427



## Tritanomaly

30.5476, 46.2321, 30.9806

# Monochromacy



## Original Color

26.2288, 48.0975, 8.0737



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

24.3712, 33.6589, 16.2787

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.2288, 48.0975, 8.0737 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(75, 211, 6)` looks like.

```
.text, #text, p{  
    color:rgb(75, 211, 6)  
}
```

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(75, 211, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 211, 6) }
```

## Border

The CSS property to change the border of an element to XYZ 26.2288, 48.0975, 8.0737 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(75, 211, 6) }
```



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

```
.border{ border-color:rgb(75, 211, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 211, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 211, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 211, 6);  
box-shadow:4px 4px 4px 4px rgb(75, 211, 6)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 26.2288, 48.0975, 8.0737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 211, 6) }
```

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

```
.background{ background-color: rgb(75, 211,  
6) }
```

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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