

# Converting Colors

XYZ(26.2258, 45.4774, 11.8425)

Have a look what the booklet for  
XYZ(26.2258, 45.4774, 11.8425)  
contains.

<b>XYZ(26.1815, 45.4539, 11.8085)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.1815, 45.4539,  
11.8085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55CC3D
RGB	85, 204, 61
RGB Percent	33%, 80%, 24%
CMY	0.6667, 0.2000, 0.7608
CMYK	0.58, 0.00, 0.70, 0.20
HSL	110°, 58%, 52%
HSV	110°, 70%, 80%
XYZ	26.1815, 45.4539, 11.8085
YIQ	152.1170, -25.0210, -69.7010

# Conversions

## Conversions Part 2

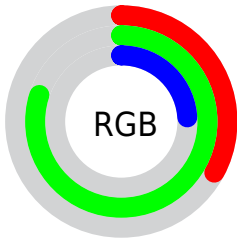
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 204, 180
Decimal	5622845
CIELab	73.19, -59.11, 58.40
CIELCh	73, 83.093, 135.347
Yxy	45.4539, 0.3138, 0.5447
Android (android.graphics.Color)	4283812925 (0xFF55CC3D)
YUV	152.1170, -44.9207, -58.8616
Hunter-Lab	67.4195, -48.6660, 36.8090

# Details

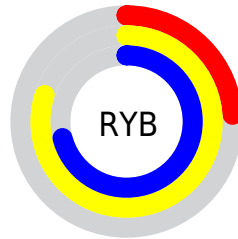
The XYZ color **26.1815, 45.4539, 11.8085** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **31.3929, 17.4022, 58.8335**, and the grayscale version is **30.0924, 31.6596, 34.4773**.

A 20% lighter version of the original color is **50.7664, 78.8919, 29.0750**, and **10.7474, 21.4949, 3.5825** is the 20% darker color. If you saturate the color by 10%, you get **24.3727, 44.5747, 9.3811**, and if you desaturate by 10%, it is **28.5712, 46.6112, 15.3556**.

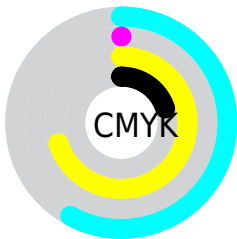
# Distribution



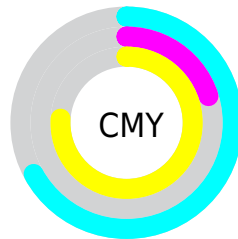
- Red (33%)
- Green (80%)
- Blue (24%)



- Red (24%)
- Yellow (80%)
- Blue (71%)



- Cyan (58%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)




- Cyan (67%)
- Magenta (20%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1815, 45.4539, 11.8085 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 26.1815, 45.4539, 11.8085 by changing the saturation by 10% instead.





 26.1815, 45.4539,  
11.8085


 26.1815, 45.4539,  
11.8085


275.9123,  
368.6088, 214.0661


 17.0929, 31.8151,  
6.4925


 52.9968, 83.4011,  
29.8050


 10.3964, 21.2203,  
3.0732


 71.4542, 108.4783,  
43.3226


 5.7269, 13.2851,  
1.1321


 93.7652, 138.1371,  
60.4110

 2.7188, 7.6252,  
0.0000

 120.2953,  
172.7619, 81.4890

 1.0069, 3.8561,  
0.0000

 151.4096,  
212.7371, 106.9749

 0.0000, 1.5934,  
0.0000

187.4737,

 0.0000, 0.3531,

258.4470, 137.2874

0.0000

228.8528,  
310.2761, 172.8449

■ 0.0000, 0.0000,  
0.0000

■ 26.1815, 45.4539,  
11.8085

■ 26.1815, 45.4539,  
11.8085

■ 24.3727, 44.5747,  
9.3811

■ 28.5712, 46.6112,  
15.3556

■ 23.0894, 43.9438,  
7.9365


■ 31.5840, 48.0617,  
20.1322


■ 22.2611, 43.5316,  
7.2292


■ 35.2617, 49.8263,  
26.2384


■ 39.6417, 51.9223,  
33.7634

■ 44.7583, 54.3655,  
42.7883

 50.6437, 57.1710,  
53.3884

 57.3280, 60.3528,  
65.6338

 64.8400, 63.9242,  
79.5904

 73.2066, 67.8979,  
95.3205

# Harmonies

## Analogous

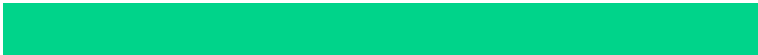
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2045, 45.4539, 5.4363



26.1815, 45.4539, 11.8085



21.3725, 45.4539, 31.8441

# Triad

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



26.1815, 45.4539, 11.8085



36.4964, 45.4539, 174.7595



76.2392, 45.4539, 31.1500

# Complementary

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



26.1815, 45.4539, 11.8085



31.3929, 17.4022, 58.8335

# 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.



76.3674, 45.4539, 72.6875



26.1815, 45.4539, 11.8085



51.0489, 45.4539, 174.1773

# Square

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



26.1815, 45.4539, 11.8085



26.3536, 45.4539, 131.3135



66.3518, 45.4539, 130.0017



66.0331, 45.4539, 11.5463

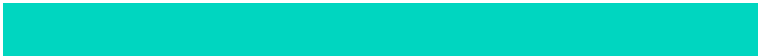


# Rectangle

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



26.1815, 45.4539, 11.8085



20.8826, 45.4539, 57.3504



66.3518, 45.4539, 130.0017



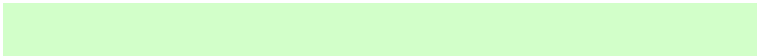
77.5271, 45.4539, 42.3856

# Sweetspot

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



26.1826, 45.4558, 11.8095



73.0582, 89.5239, 68.9656



41.6234, 44.9311, 10.8944



15.1121, 18.9110, 13.8297



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.



26.1826, 45.4558, 11.8095



39.1966, 73.2458, 14.1516



26.1351, 45.2264, 21.0665



11.2406, 12.6259, 11.9240



14.0646, 27.4259, 4.5524



0.7815, 1.4437, 0.2375



# Inverse Universe

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



31.3929, 17.4022, 58.8335



48.0666, 23.8610, 96.6800



32.8057, 18.6695, 34.5486



11.4956, 11.3048, 14.1465



17.3308, 8.1419, 36.6144

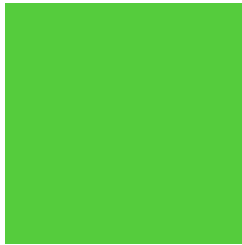


0.9443, 0.4459, 1.8912



# Previews

## White Background



This preview shows how the XYZ color 26.1815, 45.4539, 11.8085 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 26.1815, 45.4539, 11.8085 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 26.1815, 45.4539, 11.8085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1815, 45.4539, 11.8085.



This preview shows how white text looks on a background with the XYZ color 26.1815, 45.4539,



# 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

26.1815, 45.4539, 11.8085

### Protanopia

40.6054, 44.7859, 9.9944

### Deuteranopia

45.7015, 44.7601, 12.5342



## Tritanopia

36.8416, 45.3627, 65.2066

# Trichromacy



## Original Color

26.1815, 45.4539, 11.8085



## Protanomaly

32.8223, 43.5309, 10.5433



## Deuteranomaly

34.8154, 42.6562, 12.0287



## Tritanomaly

31.1986, 44.7228, 37.1250

# Monochromacy



## Original Color

26.1815, 45.4539, 11.8085



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

26.7948, 35.0469, 22.8053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1815, 45.4539, 11.8085 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(85, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(85, 204, 61)  
}
```

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(85, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 204, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1815, 45.4539, 11.8085 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(85, 204, 61) }
```



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

```
.border{ border-color:rgb(85, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(85, 204,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1815, 45.4539, 11.8085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 204, 61) }
```

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

```
.background{ background-color: rgb(85, 204,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor