

# Converting Colors

XYZ(26.4787, 39.4042, 6.2106)

Have a look what the booklet for  
XYZ(26.4787, 39.4042, 6.2106)  
contains.

<b>XYZ(26.5549, 39.4438, 6.2138)</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(26.5549, 39.4438,  
6.2138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82B900
RGB	130, 185, 0
RGB Percent	51%, 73%, 0%
CMY	0.4902, 0.2745, 0.9999
CMYK	0.30, 0.00, 1.00, 0.27
HSL	78°, 100%, 36%
HSV	78°, 100%, 73%
XYZ	26.5549, 39.4438, 6.2138
YIQ	147.4650, 26.6050, -69.1950

# Conversions

## Conversions Part 2

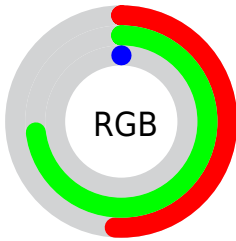
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 185, 55
Decimal	8567040
CIELab	69.07, -39.82, 69.67
CIELCh	69, 80.250, 119.749
Yxy	39.4438, 0.3677, 0.5462
Android (android.graphics.Color)	4286757120 (0xFF82B900)
YUV	147.4650, -72.7002, -15.3168
Hunter-Lab	62.8043, -34.4342, 38.0969

# Details

The XYZ color **26.5549, 39.4438, 6.2138** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.3344, 4.3162, 46.1898**, and the grayscale version is **28.2124, 29.6816, 32.3233**.

A 20% lighter version of the original color is **53.6056, 74.1665, 18.8874**, and **10.9989, 17.9190, 2.8790** is the 20% darker color. If you saturate the color by 10%, you get **26.5549, 39.4451, 6.2141**, and if you desaturate by 10%, it is **27.5357, 39.9376, 6.8522**.

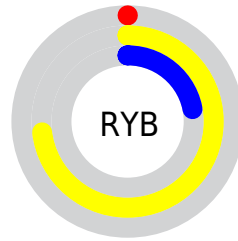
# Distribution



Red (51%)

Green (73%)

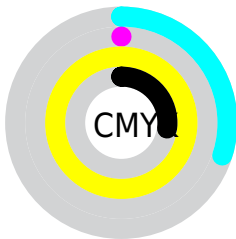
Blue (0%)



Red (0%)

Yellow (73%)

Blue (22%)

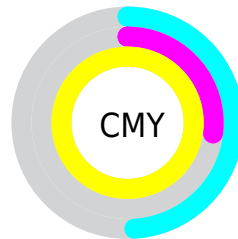


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (49%)

Magenta (27%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.5549, 39.4438, 6.2138 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 26.5549, 39.4438, 6.2138 by changing the saturation by 10% instead.




 26.5549, 39.4438,  
6.2138


 26.5549, 39.4438,  
6.2138


277.7025,  
343.7737, 170.3362


 17.3741, 27.1052,  
2.9046


 53.5937, 74.3158,  
18.8583


 10.5985, 17.6522,  
1.0461


 72.1825, 97.6180,  
29.0308


 5.8628, 10.7006,  
0.0000


 94.6379, 125.3434,  
42.3281

 2.8017, 5.8659,  
0.0000

 121.3253,  
157.8765, 59.1688

 1.0498, 2.7637,  
0.0000

 152.6101,  
195.6017, 79.9714

 0.0000, 1.0096,  
0.0000

 188.8577,

 0.0000, 0.0000,

238.9033, 105.1545

0.0000

230.4334,  
288.1659, 135.1366

■ 26.5549, 39.4438,  
6.2138

■ 26.5549, 39.4438,  
6.2138

■ 26.5549, 39.4451,  
6.2141

■ 27.5357, 39.9376,  
6.8522

■ 28.6689, 40.4963,  
8.0574

■ 29.9956, 41.1377,  
10.0395

■ 31.5361, 41.8702,  
12.9017

■ 33.3078, 42.7005,  
16.7315

■ 35.3257, 43.6350,  
21.6055

■ 37.6036, 44.6792,  
27.5931

■ 40.1542, 45.8381,  
34.7573

■ 42.9890, 47.1165,  
43.1567

# Harmonies

## Analogous

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



37.5982, 39.4438, 3.9891



26.5549, 39.4438, 6.2138



19.9940, 39.4438, 16.3230

# Triad

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



26.5549, 39.4438, 6.2138



26.4066, 39.4438, 137.1558



67.8841, 39.4438, 43.2576

# Complementary

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



26.5549, 39.4438, 6.2138



10.3344, 4.3162, 46.1898

# 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.



63.0256, 39.4438, 89.1506



26.5549, 39.4438, 6.2138



37.3823, 39.4438, 159.0430

# Square

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



26.5549, 39.4438, 6.2138



19.9231, 39.4438, 88.2818



51.0780, 39.4438, 137.8276



63.1784, 39.4438, 16.6057



# Rectangle

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



26.5549, 39.4438, 6.2138



18.1105, 39.4438, 31.5840



51.0780, 39.4438, 137.8276



67.3023, 39.4438, 56.7544

# Sweetspot

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



26.5558, 39.4455, 6.2146



67.1288, 79.9175, 48.8309



21.2560, 12.8095, 1.3527



14.0935, 17.0556, 9.5158



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.5558, 39.4455, 6.2146



47.3112, 70.5154, 11.1173



18.2289, 35.1529, 5.8250



9.4831, 10.3657, 9.6079



18.1565, 26.8963, 4.2346



0.6991, 0.9786, 0.1520



# Inverse Universe

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



10.3344, 4.3162, 46.1898



18.3023, 7.6234, 82.7114



20.4213, 9.5162, 46.6618



8.7654, 8.8454, 11.3248



7.1008, 2.9718, 31.4524



0.3146, 0.1379, 1.1118



# Previews

## White Background



This preview shows how the XYZ color 26.5549, 39.4438, 6.2138 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 26.5549, 39.4438, 6.2138 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 26.5549, 39.4438, 6.2138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.5549, 39.4438, 6.2138.



This preview shows how white text looks on a background with the XYZ color 26.5549, 39.4438,



# 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

26.5549, 39.4438, 6.2138

### Protanopia

35.2378, 38.9524, 5.6613

### Deuteranopia

39.8529, 38.9147, 7.0009



## Tritanopia

35.8282, 39.3461, 52.1606

# Trichromacy



## Original Color

26.5549, 39.4438, 6.2138

## Protanomaly

31.2845, 38.5969, 5.8011

## Deuteranomaly

33.4389, 38.0083, 6.3330

## Tritanomaly

29.9767, 38.4150, 22.9744

# Monochromacy



## Original Color

26.5549, 39.4438, 6.2138

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

25.7498, 31.9606, 15.4015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.5549, 39.4438, 6.2138 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(130, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 185, 0)  
}
```

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(130, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 185, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 26.5549, 39.4438, 6.2138 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(130, 185, 0) }
```



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

```
.border{ border-color:rgb(130, 185, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 185, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 185,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.5549, 39.4438, 6.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 185, 0) }
```

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

```
.background{ background-color: rgb(130,  
185, 0) }
```

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