

# Converting Colors

XYZ(14.5738, 27.0084, 4.4450)

Have a look what the booklet for  
XYZ(14.5738, 27.0084, 4.4450)  
contains.

<b>XYZ(14.5134, 26.9244, 4.4320)</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(14.5134, 26.9244,  
4.4320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34A300
RGB	52, 163, 0
RGB Percent	20%, 64%, 0%
CMY	0.7961, 0.3608, 0.9999
CMYK	0.68, 0.00, 1.00, 0.36
HSL	101°, 100%, 32%
HSV	101°, 100%, 64%
XYZ	14.5134, 26.9244, 4.4320
YIQ	111.2290, -13.8330, -74.2250

# Conversions

## Conversions Part 2

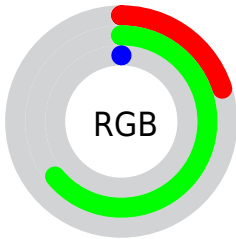
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 163, 111
Decimal	3449600
CIELab	58.90, -55.62, 60.35
CIELCh	59, 82.066, 132.664
Yxy	26.9244, 0.3164, 0.5870
Android (android.graphics.Color)	4281639680 (0xFF34A300)
YUV	111.2290, -54.8359, -51.9438
Hunter-Lab	51.8887, -40.8784, 31.2579

# Details

The XYZ color **14.5134, 26.9244, 4.4320** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.1689, 6.0253, 35.1206**, and the grayscale version is **15.3346, 16.1332, 17.5690**.

A 20% lighter version of the original color is **33.5714, 54.7758, 14.9343**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **14.5134, 26.9252, 4.4322**, and if you desaturate by 10%, it is **15.2500, 27.2939, 4.9671**.

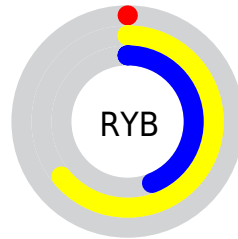
# Distribution



Red (20%)

Green (64%)

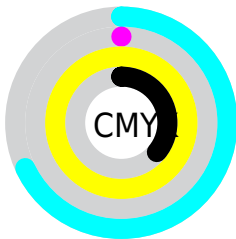
Blue (0%)



Red (0%)

Yellow (64%)

Blue (44%)

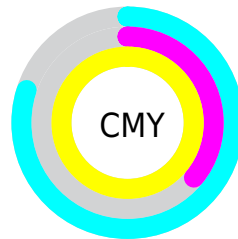


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (80%)

Magenta (36%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5134, 26.9244, 4.4320 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 14.5134, 26.9244, 4.4320 by changing the saturation by 10% instead.



■ 14.5134, 26.9244,  
4.4320

■ 14.5134, 26.9244,  
4.4320

213.8490,  
287.2909, 152.9124

■ 8.5627, 17.5165,  
1.8652

■ 33.5760, 54.7625,  
14.9944

■ 4.5119, 10.6034,  
0.4705

■ 47.4185, 73.9615,  
23.8271

■ 1.9956, 5.8008,  
0.0000

■ 64.6224, 97.1929,  
35.5856

■ 0.6315, 2.7243,  
0.0000

■ 85.5529, 124.8412,  
50.6883


■ 0.0000, 0.9896,  
0.0000


■ 110.5755,  
157.2908, 69.5537


■ 0.0000, 0.0000,  
0.0000


■ 140.0555,


194.9260, 92.6006


 174.3582,  
238.1312, 120.2473


 14.5134, 26.9244,  
4.4320


 14.5134, 26.9244,  
4.4320


 14.5134, 26.9252,  
4.4322

 15.2500, 27.2939,  
4.9671

 16.2066, 27.7670,  
5.9161

 17.4243, 28.3620,  
7.4524

 18.9248, 29.0884,  
9.6510

 20.7269, 29.9546,  
12.5758

■ 22.8477, 30.9681,  
16.2831

■ 25.3030, 32.1358,  
20.8236

■ 28.1073, 33.4645,  
26.2440

■ 31.2744, 34.9600,  
32.5872

# Harmonies

## Analogous

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



21.5467, 26.9244, 1.6086



14.5134, 26.9244, 4.4320



11.1173, 26.9244, 15.6170

# Triad

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



14.5134, 26.9244, 4.4320



20.2052, 26.9244, 121.5687



49.7426, 26.9244, 18.6916

# Complementary

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



14.5134, 26.9244, 4.4320



13.1689, 6.0253, 35.1206

# 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.



49.1040, 26.9244, 49.3220



14.5134, 26.9244, 4.4320



30.1117, 26.9244, 124.6383

# Square

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



14.5134, 26.9244, 4.4320



13.7561, 26.9244, 85.8425



41.2244, 26.9244, 92.6075



42.7898, 26.9244, 5.4107



# Rectangle

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



14.5134, 26.9244, 4.4320



10.6282, 26.9244, 31.9907



41.2244, 26.9244, 92.6075



50.4524, 26.9244, 26.7948

# Sweetspot

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



14.5140, 26.9255, 4.4326



45.0490, 57.4248, 36.7911



20.5388, 18.6546, 2.5186



9.7080, 12.7026, 7.4965



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



14.5140, 26.9255, 4.4326



25.8058, 48.1235, 7.9287



13.2978, 26.2755, 5.4186



7.1883, 7.9996, 7.5453



11.3220, 20.9472, 3.4465



0.2851, 0.4645, 0.0746



# Inverse Universe

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



13.1689, 6.0253, 35.1206



23.3660, 10.6779, 62.8856



19.5374, 9.5601, 24.0478



7.1436, 7.0884, 8.8948



10.2823, 4.7072, 27.2964

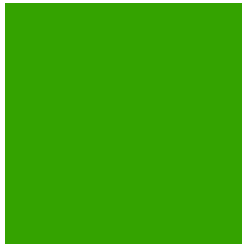


0.2618, 0.1225, 0.5757



# Previews

## White Background



This preview shows how the XYZ color 14.5134, 26.9244, 4.4320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5134, 26.9244, 4.4320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

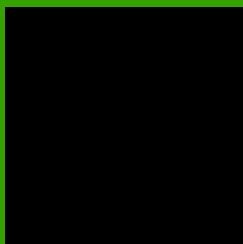
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 14.5134, 26.9244, 4.4320**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.5134, 26.9244, 4.4320.



This preview shows how white text looks on a background with the XYZ color 14.5134, 26.9244,



# 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

14.5134, 26.9244, 4.4320

### Protanopia

23.8230, 26.4207, 3.8441

### Deuteranopia

26.9599, 26.5187, 5.2878



## Tritanopia

21.4964, 26.9758, 39.1958

# Trichromacy



## Original Color

14.5134, 26.9244, 4.4320



## Protanomaly

18.4932, 25.4880, 3.9450



## Deuteranomaly

19.7859, 25.2143, 4.5831



## Tritanomaly

17.0596, 26.1541, 17.2458

# Monochromacy



## Original Color

14.5134, 26.9244, 4.4320



## Achromatopsia

15.1092, 15.8961, 17.3108



## Achromatomaly

13.3364, 18.5939, 8.8473

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.5134, 26.9244, 4.4320 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(52, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 163, 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(52, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 163, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 14.5134, 26.9244, 4.4320 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(52, 163, 0) }
```



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

```
.border{ border-color:rgb(52, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 163, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 14.5134, 26.9244, 4.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 163, 0) }
```

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

```
.background{ background-color: rgb(52, 163,  
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