

# Converting Colors

XYZ(14.5057, 26.7270, 6.5433)

Have a look what the booklet for  
XYZ(14.5057, 26.7270, 6.5433)  
contains.

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# Color

**XYZ(14.4204, 26.5657,  
6.5581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DA22A
RGB	45, 162, 42
RGB Percent	18%, 64%, 16%
CMY	0.8235, 0.3647, 0.8353
CMYK	0.72, 0.00, 0.74, 0.36
HSL	119°, 59%, 40%
HSV	119°, 74%, 64%
XYZ	14.4204, 26.5657, 6.5581
YIQ	113.3370, -31.2120, -62.1240

# Conversions

## Conversions Part 2

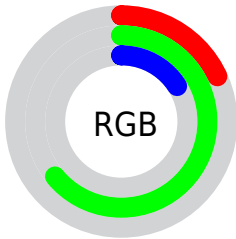
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 162, 159
Decimal	2990634
CIE <sub>Lab</sub>	58.57, -54.75, 50.17
CIE <sub>LCh</sub>	59, 74.260, 137.497
Yxy	26.5657, 0.3033, 0.5588
Android (android.graphics.Color)	4281180714 (0xFF2DA22A)
YUV	113.3370, -35.1691, -59.9315
Hunter-Lab	51.5419, -40.2576, 28.5354

# Details

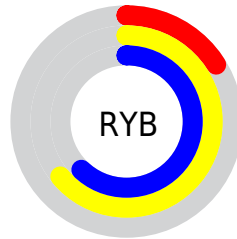
The XYZ color **14.4204, 26.5657, 6.5581** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.6495, 11.6366, 35.2889**, and the grayscale version is **15.9048, 16.7331, 18.2224**.

A 20% lighter version of the original color is **33.4436, 54.2202, 19.5294**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.6176, 26.1796, 5.3013**, and if you desaturate by 10%, it is **15.6017, 27.1349, 8.4456**.

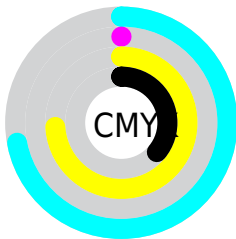
# Distribution



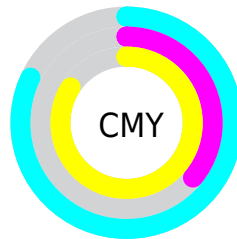
- Red (18%)
- Green (64%)
- Blue (16%)



- Red (16%)
- Yellow (64%)
- Blue (62%)



- Cyan (72%)
- Magenta (0%)
- Yellow (74%)
- Black (36%)




- Cyan (82%)
- Magenta (36%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4204, 26.5657, 6.5581 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 14.4204, 26.5657, 6.5581 by changing the saturation by 10% instead.





 14.4204, 26.5657,  
6.5581


 14.4204, 26.5657,  
6.5581


213.2894,  
285.5481, 173.4288


 8.4973, 17.2473,  
3.1131


 33.4132, 54.1862,  
19.5760


 4.4692, 10.4110,  
1.1527


 47.2136, 73.2570,  
29.9861


 1.9709, 5.6723,  
0.0000


 64.3705, 96.3475,  
43.5548

 0.6175, 2.6469,  
0.0000

 85.2492, 123.8420,  
60.7009

 0.0000, 0.9503,  
0.0000

 110.2151,  
156.1250, 81.8428

 0.0000, 0.0000,  
0.0000

 139.6335,

193.5807, 107.3990

173.8698,  
236.5936, 137.7882

■ 14.4204, 26.5657,  
6.5581

■ 14.4204, 26.5657,  
6.5581

■ 13.6176, 26.1796,  
5.3013

■ 15.6017, 27.1349,  
8.4456

■ 13.1455, 25.9515,  
4.5921

■ 17.1983, 27.9025,  
11.0295

■ 12.9715, 25.8678,  
4.3093

■ 19.2446, 28.8856,  
14.3696

■ 21.7711, 30.0988,  
18.5184

■ 24.8055, 31.5555,  
23.5241

■ 28.3734, 33.2677,  
29.4309

■ 32.4988, 35.2471,  
36.2799

■ 37.2041, 37.5043,  
44.1100

■ 42.5104, 40.0495,  
52.9575

# Harmonies

## Analogous

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



20.3451, 26.5657, 2.6207



14.4204, 26.5657, 6.5581



11.7282, 26.5657, 19.3753

# Triad

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



14.4204, 26.5657, 6.5581



21.6476, 26.5657, 110.6366



45.8888, 26.5657, 16.3215

# Complementary

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



14.4204, 26.5657, 6.5581



21.6495, 11.6366, 35.2889

# 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.



46.4792, 26.5657, 41.1892



14.4204, 26.5657, 6.5581



30.8857, 26.5657, 107.8947

# Square

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



14.4204, 26.5657, 6.5581



15.1756, 26.5657, 83.8451



40.4747, 26.5657, 77.7216



39.0155, 26.5657, 5.4754



# Rectangle

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



14.4204, 26.5657, 6.5581



11.5697, 26.5657, 35.9706



40.4747, 26.5657, 77.7216



46.8790, 26.5657, 22.8662

# Sweetspot

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



14.4210, 26.5668, 6.5587



46.0338, 57.7659, 44.3625



27.5463, 32.3037, 6.9742



9.9927, 12.8077, 9.3912



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.



14.4210, 26.5668, 6.5587



24.0920, 47.2218, 8.6704



16.0806, 27.2160, 15.9618



7.0011, 7.9031, 7.5365



10.2244, 20.3813, 3.3951



0.2195, 0.4306, 0.0716



# Inverse Universe

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



21.6495, 11.6366, 35.2889



37.8690, 18.6177, 63.6538



18.3307, 10.3786, 14.6737



7.3468, 7.1931, 8.9043



16.2455, 7.7813, 27.5755



0.3464, 0.1661, 0.5797



# Previews

## White Background



This preview shows how the XYZ color 14.4204, 26.5657, 6.5581 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 14.4204, 26.5657, 6.5581 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 14.4204, 26.5657, 6.5581**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.4204, 26.5657, 6.5581.



This preview shows how white text looks on a background with the XYZ color 14.4204, 26.5657,



# 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

14.4204, 26.5657, 6.5581

### Protanopia

23.6011, 26.0516, 5.4536

### Deuteranopia

26.4857, 26.0308, 6.9967



## Tritanopia

20.8194, 26.3973, 38.6482

# Trichromacy



## Original Color

14.4204, 26.5657, 6.5581



## Protanomaly

18.1422, 25.0328, 5.7093



## Deuteranomaly

19.2800, 24.6803, 6.6533



## Tritanomaly

17.2979, 25.9328, 21.5466

# Monochromacy



## Original Color

14.4204, 26.5657, 6.5581



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

13.8611, 18.9954, 11.9528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.4204, 26.5657, 6.5581 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(45, 162, 42)` looks like.

```
.text, #text, p{  
    color:rgb(45, 162, 42)  
}
```

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(45, 162, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 162, 42) }
```

## Border

The CSS property to change the border of an element to XYZ 14.4204, 26.5657, 6.5581 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(45, 162, 42) }
```



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

```
.border{ border-color:rgb(45, 162, 42) }
```

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

Here you see how a box with a 4 pixel rgb(45, 162, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 162, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 162, 42);  
box-shadow:4px 4px 4px 4px rgb(45, 162,  
42) }
```

# Background

The CSS property to change the background color of an element to XYZ 14.4204, 26.5657, 6.5581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 162, 42) }
```

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

```
.background{ background-color: rgb(45, 162,  
42) }
```

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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