

Converting Colors

XYZ(14.2028, 27.4971, 4.5589)

Have a look what the booklet for
XYZ(14.2028, 27.4971, 4.5589)
contains.

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Color

**XYZ(14.2634, 27.5958,
4.5748)**

Conversions

Conversions Part 1

Format	Color
Hex	21A600
RGB	33, 166, 0
RGB Percent	13%, 65%, 0%
CMY	0.8706, 0.3490, 0.9999
CMYK	0.80, 0.00, 1.00, 0.35
HSL	108°, 100%, 33%
HSV	108°, 100%, 65%
XYZ	14.2634, 27.5958, 4.5748
YIQ	107.3090, -25.9820, -79.8220

Conversions

Conversions Part 2

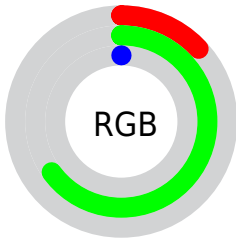
Format	Color
RYB	0, 166, 133
Decimal	2205184
CIELab	59.52, -59.82, 60.68
CIELCh	60, 85.210, 134.591
Yxy	27.5958, 0.3072, 0.5943
Android (android.graphics.Color)	4280395264 (0xFF21A600)
YUV	107.3090, -52.9033, -65.1690
Hunter-Lab	52.5317, -43.4642, 31.6088

Details

The XYZ color **14.2634, 27.5958, 4.5748** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.5596, 7.7419, 36.6995**, and the grayscale version is **14.2098, 14.9498, 16.2803**.

A 20% lighter version of the original color is **33.0328, 55.6666, 15.3071**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **14.2635, 27.5967, 4.5749**, and if you desaturate by 10%, it is **14.8753, 27.9007, 5.1161**.

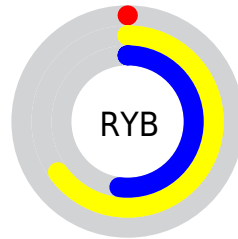
Distribution



Red (13%)

Green (65%)

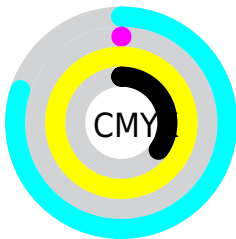
Blue (0%)



Red (0%)

Yellow (65%)

Blue (52%)

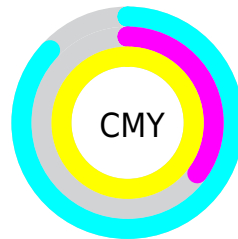


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (87%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.2634, 27.5958, 4.5748 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 14.2634, 27.5958, 4.5748 by changing the saturation by 10% instead.


 14.2634, 27.5958,
4.5748


 14.2634, 27.5958,
4.5748


212.3413,
290.5304, 154.4147


 8.3870, 18.0212,
1.9457


 33.1380, 55.8385,
15.3151


 4.3975, 10.9652,
0.5216


 46.8670, 75.2753,
24.2634

 1.9294, 6.0434,
0.0000

 63.9442, 98.7684,
36.1551

 0.5938, 2.8715,
0.0000

 84.7350, 126.7020,
51.4089


 0.0000, 1.0650,
0.0000


 109.6048,
159.4606, 70.4432


 0.0000, 0.0000,
0.0000


 138.9189,


197.4287, 93.6766


 173.0426,
240.9905, 121.5276


 14.2634, 27.5958,
4.5748


 14.2634, 27.5958,
4.5748

 14.2635, 27.5967,
4.5749

 14.8753, 27.9007,
5.1161

 15.7539, 28.3329,
6.0933

 16.9489, 28.9150,
7.6848

 18.4892, 29.6601,
9.9695

 20.4000, 30.5797,
13.0145

■ 22.7041, 31.6844,
16.8790

■ 25.4225, 32.9837,
21.6163

■ 28.5744, 34.4866,
27.2753

■ 32.1782, 36.2015,
33.9011

Harmonies

Analogous

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



21.3748, 27.5958, 1.4817



14.2634, 27.5958, 4.5748



10.9616, 27.5958, 16.9409

Triad

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



14.2634, 27.5958, 4.5748



21.1280, 27.5958, 130.3373



51.6376, 27.5958, 17.5019

Complementary

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



14.2634, 27.5958, 4.5748



16.5596, 7.7419, 36.6995

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.



51.5182, 27.5958, 48.6040



14.2634, 27.5958, 4.5748



31.7675, 27.5958, 130.9177

Square

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



14.2634, 27.5958, 4.5748



14.1254, 27.5958, 93.3991



43.5092, 27.5958, 94.6727



43.8011, 27.5958, 4.7466

Rectangle

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



14.2634, 27.5958, 4.5748



10.5890, 27.5958, 35.0205



43.5092, 27.5958, 94.6727



52.5830, 27.5958, 25.5684

Sweetspot

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



14.2640, 27.5970, 4.5754



45.8369, 59.7163, 38.6984



24.0876, 24.8293, 3.5234



9.7928, 13.1414, 7.8439



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.2640, 27.5970, 4.5754



25.7476, 50.0120, 8.2962



14.2087, 27.5024, 7.5560



7.5708, 8.4769, 8.0264



11.0920, 21.4154, 3.5490



0.3080, 0.5407, 0.0881

Inverse Universe

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



16.5596, 7.7419, 36.6995



29.8765, 13.9589, 66.5949



18.8912, 9.3735, 17.3998



7.6937, 7.5902, 9.4779



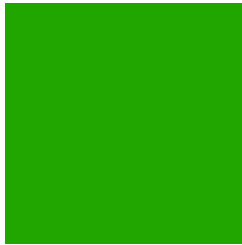
12.8783, 6.0224, 28.4592



0.3495, 0.1652, 0.6941

Previews

White Background



This preview shows how the XYZ color 14.2634, 27.5958, 4.5748 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 14.2634, 27.5958, 4.5748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

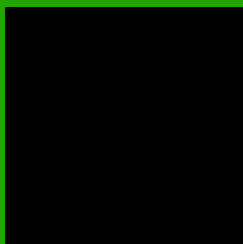
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.2634, 27.5958, 4.5748

Background



This preview shows how black text looks on a background with the XYZ color 14.2634, 27.5958, 4.5748.



This preview shows how white text looks on a background with the XYZ color 14.2634, 27.5958,

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

14.2634, 27.5958, 4.5748

Protanopia

24.5204, 27.2220, 3.9620

Deuteranopia

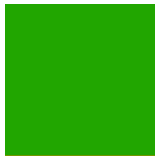
27.5728, 27.0390, 5.4349



Tritanopia

21.5111, 27.4377, 40.7215

Trichromacy



Original Color

14.2634, 27.5958, 4.5748



Protanomaly

18.0060, 25.7106, 4.0136



Deuteranomaly

19.0377, 25.0553, 4.6434



Tritanomaly

16.6919, 26.4550, 17.8622

Monochromacy



Original Color

14.2634, 27.5958, 4.5748



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0708, 17.5612, 8.2223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2634, 27.5958, 4.5748 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(33, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 166, 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(33, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.2634, 27.5958, 4.5748 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(33, 166, 0) }
```


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

```
.border{ border-color:rgb(33, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(33, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 166, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.2634, 27.5958, 4.5748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 166, 0) }
```

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

```
.background{ background-color: rgb(33, 166,  
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](#).

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