

Converting Colors

XYZ(14.9946, 27.9903, 4.8894)

Have a look what the booklet for
XYZ(14.9946, 27.9903, 4.8894)
contains.

XYZ(14.9576, 27.9473, 4.8932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.9576, 27.9473,
4.8932)**

Conversions

Conversions Part 1

Format	Color
Hex	31A60A
RGB	49, 166, 10
RGB Percent	19%, 65%, 4%
CMY	0.8078, 0.3490, 0.9607
CMYK	0.70, 0.00, 0.94, 0.35
HSL	105°, 89%, 35%
HSV	105°, 94%, 65%
XYZ	14.9576, 27.9473, 4.8932
YIQ	113.2330, -19.6560, -73.3200

Conversions

Conversions Part 2

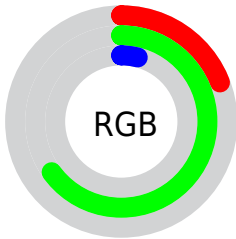
Format	Color
RYB	10, 166, 127
Decimal	3253770
CIELab	59.84, -56.95, 59.65
CIELCh	60, 82.477, 133.674
Yxy	27.9473, 0.3129, 0.5847
Android (android.graphics.Color)	4281443850 (0xFF31A60A)
YUV	113.2330, -50.8939, -56.3323
Hunter-Lab	52.8652, -42.0096, 31.5178

Details

The XYZ color **14.9576, 27.9473, 4.8932** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.7472, 7.4842, 36.6925**, and the grayscale version is **15.9172, 16.7461, 18.2365**.

A 20% lighter version of the original color is **34.2709, 56.2891, 16.0798**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.5708, 27.7551, 4.5893**, and if you desaturate by 10%, it is **15.7825, 28.3574, 5.6555**.

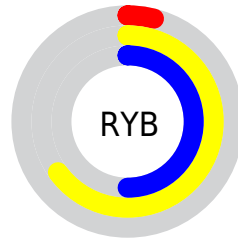
Distribution



Red (19%)

Green (65%)

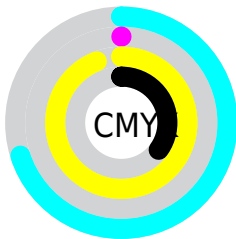
Blue (4%)



Red (4%)

Yellow (65%)

Blue (50%)

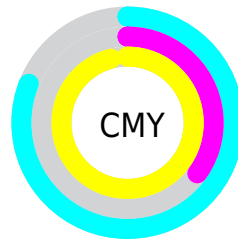


Cyan (70%)

Magenta (0%)

Yellow (94%)

Black (35%)



Cyan (81%)


Magenta (35%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9576, 27.9473, 4.8932 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 14.9576, 27.9473, 4.8932 by changing the saturation by 10% instead.


 14.9576, 27.9473,
4.8932


 14.9576, 27.9473,
4.8932


216.5029,
292.2150, 157.6888


 8.8758, 18.2859,
2.1271


 34.3510, 56.4003,
16.0223


 4.7167, 11.1555,
0.6318


 48.3934, 75.9607,
25.2225


 2.1150, 6.1715,
0.0000


 65.8199, 99.5896,
37.4043

 0.6974, 2.9496,
0.0000

 86.9959, 127.6714,
52.9865


 0.0000, 1.1055,
0.0000


 112.2869,
160.5904, 72.3874


 0.0000, 0.0000,
0.0000


 142.0582,


198.7311, 96.0258


 176.6751,
242.4778, 124.3201


 14.9576, 27.9473,
4.8932


 14.9576, 27.9473,
4.8932

 14.5708, 27.7551,
4.5893

 15.7825, 28.3574,
5.6555

 16.8934, 28.9016,
6.9945

 18.3180, 29.5932,
8.9962

 20.0802, 30.4429,
11.7314

 22.2013, 31.4604,
15.2623

■ 24.7007, 32.6545,
19.6440

■ 27.5962, 34.0333,
24.9270

■ 30.9048, 35.6044,
31.1579

■ 34.6420, 37.3751,
38.3799

Harmonies

Analogous

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



22.0881, 27.9473, 1.7655



14.9576, 27.9473, 4.8932



11.5630, 27.9473, 16.9439

Triad

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



14.9576, 27.9473, 4.8932



21.3026, 27.9473, 125.8871



51.2793, 27.9473, 18.7468

Complementary

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



14.9576, 27.9473, 4.8932



15.7472, 7.4842, 36.6925

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.



50.9068, 27.9473, 49.6557



14.9576, 27.9473, 4.8932



31.6050, 27.9473, 127.6732

Square

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



14.9576, 27.9473, 4.8932



14.5133, 27.9473, 90.0261



43.0064, 27.9473, 93.9663



43.9202, 27.9473, 5.4719

Rectangle

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



14.9576, 27.9473, 4.8932



11.1266, 27.9473, 34.2705



43.0064, 27.9473, 93.9663



52.1031, 27.9473, 26.8874

Sweetspot

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



14.9582, 27.9485, 4.8938



47.5985, 60.5827, 40.6641



23.3716, 23.3096, 3.5550



10.1725, 13.3290, 8.2308



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.



14.9582, 27.9485, 4.8938



26.2789, 50.2859, 8.3211



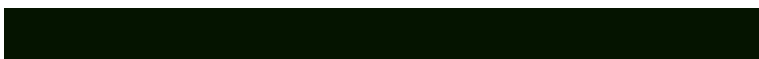
14.3168, 27.5601, 7.4722



7.6059, 8.4950, 8.0281



11.3358, 21.5411, 3.5604



0.3211, 0.5474, 0.0887

Inverse Universe

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



15.7472, 7.4842, 36.6925



27.5105, 12.7391, 66.4842



19.6664, 9.8572, 20.9469



7.6561, 7.5708, 9.4761



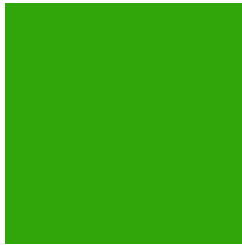
11.8851, 5.5104, 28.4127



0.3318, 0.1561, 0.6933

Previews

White Background



This preview shows how the XYZ color 14.9576, 27.9473, 4.8932 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 14.9576, 27.9473, 4.8932 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 14.9576, 27.9473, 4.8932

Background



This preview shows how black text looks on a background with the XYZ color 14.9576, 27.9473, 4.8932.



This preview shows how white text looks on a background with the XYZ color 14.9576, 27.9473,

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

14.9576, 27.9473, 4.8932

Protanopia

24.8736, 27.6279, 4.0217

Deuteranopia

27.9450, 27.4390, 5.4925



Tritanopia

22.0979, 27.7402, 40.7489

Trichromacy



Original Color

14.9576, 27.9473, 4.8932



Protanomaly

19.1353, 26.5302, 4.2272



Deuteranomaly

20.1473, 25.8521, 4.9650



Tritanomaly

17.6399, 26.9191, 19.0180

Monochromacy



Original Color

14.9576, 27.9473, 4.8932



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.7722, 19.1980, 9.8172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9576, 27.9473, 4.8932 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(49, 166, 10)` looks like.

```
.text, #text, p{  
    color:rgb(49, 166, 10)  
}
```

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(49, 166, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 166, 10) }
```

Border

The CSS property to change the border of an element to XYZ 14.9576, 27.9473, 4.8932 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(49, 166, 10) }
```


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

```
.border{ border-color:rgb(49, 166, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 166, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 166, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 166, 10);  
box-shadow:4px 4px 4px 4px rgb(49, 166,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9576, 27.9473, 4.8932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 166, 10) }
```

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

```
.background{ background-color: rgb(49, 166,  
10) }
```

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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