

Converting Colors

XYZ(14.3193, 27.5572, 4.5644)

Have a look what the booklet for
XYZ(14.3193, 27.5572, 4.5644)
contains.

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Color

**XYZ(14.3638, 27.6475,
4.5795)**

Conversions

Conversions Part 1

Format	Color
Hex	24A600
RGB	36, 166, 0
RGB Percent	14%, 65%, 0%
CMY	0.8588, 0.3490, 0.9999
CMYK	0.78, 0.00, 1.00, 0.35
HSL	107°, 100%, 33%
HSV	107°, 100%, 65%
XYZ	14.3638, 27.6475, 4.5795
YIQ	108.2060, -24.1940, -79.1860

Conversions

Conversions Part 2

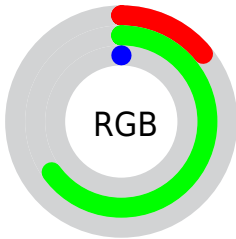
Format	Color
RYB	0, 166, 130
Decimal	2401792
CIELab	59.57, -59.40, 60.74
CIELCh	60, 84.957, 134.363
Yxy	27.6475, 0.3083, 0.5934
Android (android.graphics.Color)	4280591872 (0xFF24A600)
YUV	108.2060, -53.3456, -63.3247
Hunter-Lab	52.5809, -43.2548, 31.6428

Details

The XYZ color **14.3638, 27.6475, 4.5795** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.0922, 7.5010, 36.6775**, and the grayscale version is **14.4631, 15.2163, 16.5706**.

A 20% lighter version of the original color is **33.2677, 55.7878, 15.3181**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **14.3639, 27.6484, 4.5796**, and if you desaturate by 10%, it is **15.0017, 27.9658, 5.1220**.

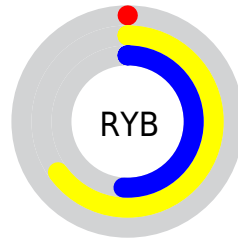
Distribution



Red (14%)

Green (65%)

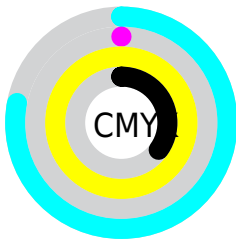
Blue (0%)



Red (0%)

Yellow (65%)

Blue (51%)

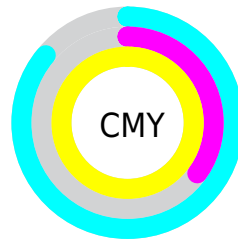


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (86%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.3638, 27.6475, 4.5795 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 14.3638, 27.6475, 4.5795 by changing the saturation by 10% instead.


 14.3638, 27.6475,
4.5795


 14.3638, 27.6475,
4.5795


212.9481,
290.7787, 154.4638


 8.4575, 18.0601,
1.9483


 33.3141, 55.9212,
15.3256


 4.4433, 10.9932,
0.5232


 47.0887, 75.3762,
24.2777

 1.9559, 6.0622,
0.0000

 64.2169, 98.8893,
36.1738

 0.6090, 2.8830,
0.0000

 85.0640, 126.8448,
51.4324


 0.0000, 1.0709,
0.0000


 109.9953,
159.6271, 70.4723


 0.0000, 0.0000,
0.0000


 139.3762,

197.6206, 93.7117


 173.5720,
241.2096, 121.5694


 14.3638, 27.6475,
4.5795


 14.3638, 27.6475,
4.5795

 14.3639, 27.6484,
4.5796

 15.0017, 27.9658,
5.1220

 15.9012, 28.4088,
6.1002

 17.1106, 28.9983,
7.6924

 18.6577, 29.7469,
9.9774

 20.5666, 30.6655,
13.0224

■ 22.8593, 31.7643,
16.8863

■ 25.5560, 33.0525,
21.6226

■ 28.6753, 34.5386,
27.2801

■ 32.2348, 36.2306,
33.9039

Harmonies

Analogous

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



21.5004, 27.6475, 1.5042



14.3638, 27.6475, 4.5795



11.0343, 27.6475, 16.8570

Triad

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



14.3638, 27.6475, 4.5795



21.1163, 27.6475, 129.8725



51.6541, 27.6475, 17.7311

Complementary

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



14.3638, 27.6475, 4.5795



16.0922, 7.5010, 36.6775

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.



51.4686, 27.6475, 48.9295



14.3638, 27.6475, 4.5795



31.7158, 27.6475, 130.7730

Square

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



14.3638, 27.6475, 4.5795



14.1487, 27.6475, 92.9023



43.4361, 27.6475, 94.8793



43.8898, 27.6475, 4.8485

Rectangle

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



14.3638, 27.6475, 4.5795



10.6456, 27.6475, 34.8090



43.4361, 27.6475, 94.8793



52.5745, 27.6475, 25.8423

Sweetspot

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



14.3644, 27.6487, 4.5801



46.0820, 59.8427, 38.7098



23.3513, 23.3567, 3.2780



9.8516, 13.1718, 7.8467



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.



14.3644, 27.6487, 4.5801



25.9202, 50.1010, 8.3043



14.0969, 27.4576, 6.9674



7.5832, 8.4832, 8.0270



11.1719, 21.4565, 3.5527



0.3126, 0.5431, 0.0883

Inverse Universe

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



16.0922, 7.5010, 36.6775



29.0178, 13.5162, 66.5548



19.2235, 9.5064, 19.1497



7.6804, 7.5834, 9.4773



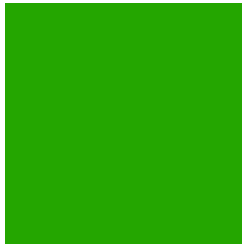
12.5182, 5.8368, 28.4423



0.3432, 0.1619, 0.6938

Previews

White Background



This preview shows how the XYZ color 14.3638, 27.6475, 4.5795 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 14.3638, 27.6475, 4.5795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

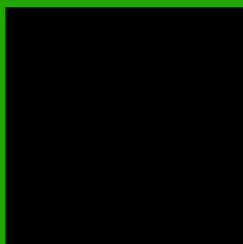
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.3638, 27.6475, 4.5795

Background



This preview shows how black text looks on a background with the XYZ color 14.3638, 27.6475, 4.5795.



This preview shows how white text looks on a background with the XYZ color 14.3638, 27.6475,

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

14.3638, 27.6475, 4.5795

Protanopia

24.5204, 27.2220, 3.9620

Deuteranopia

27.5728, 27.0390, 5.4349



Tritanopia

21.5912, 27.4790, 40.7252

Trichromacy



Original Color

14.3638, 27.6475, 4.5795

Protanomaly

18.2691, 25.8462, 4.0259

Deuteranomaly

19.1859, 25.1317, 4.6503

Tritanomaly

16.8150, 26.5185, 17.8680

Monochromacy



Original Color

14.3638, 27.6475, 4.5795

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.4041, 17.9240, 8.4361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3638, 27.6475, 4.5795 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(36, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.3638, 27.6475, 4.5795 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(36, 166, 0) }
```


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

```
.border{ border-color:rgb(36, 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(36, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 166, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.3638, 27.6475, 4.5795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 166, 0) }
```

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

```
.background{ background-color: rgb(36, 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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