

Converting Colors

XYZ(14.9887, 27.2243, 4.4656)

Have a look what the booklet for
XYZ(14.9887, 27.2243, 4.4656)
contains.

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Color

**XYZ(14.9607, 27.1550,
4.4529)**

Conversions

Conversions Part 1

Format	Color
Hex	3CA300
RGB	60, 163, 0
RGB Percent	24%, 64%, 0%
CMY	0.7647, 0.3608, 0.9999
CMYK	0.63, 0.00, 1.00, 0.36
HSL	98°, 100%, 32%
HSV	98°, 100%, 64%
XYZ	14.9607, 27.1550, 4.4529
YIQ	113.6210, -9.0650, -72.5290

Conversions

Conversions Part 2

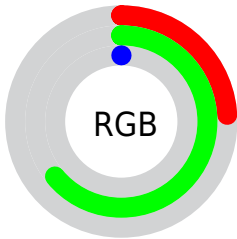
Format	Color
RYB	0, 163, 103
Decimal	3973888
CIELab	59.12, -53.82, 60.61
CIElCh	59, 81.052, 131.604
Yxy	27.1550, 0.3213, 0.5831
Android (android.graphics.Color)	4282163968 (0xFF3CA300)
YUV	113.6210, -56.0152, -47.0256
Hunter-Lab	52.1105, -39.9467, 31.4109

Details

The XYZ color **14.9607, 27.1550, 4.4529** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.2065, 5.5292, 35.0756**, and the grayscale version is **16.0461, 16.8817, 18.3842**.

A 20% lighter version of the original color is **34.3864, 55.1959, 14.9724**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **14.9607, 27.1559, 4.4531**, and if you desaturate by 10%, it is **15.7412, 27.5471, 4.9901**.

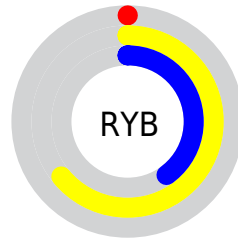
Distribution



Red (24%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (40%)

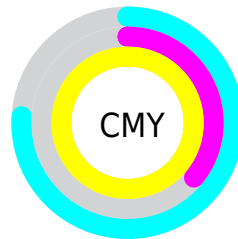


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (76%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9607, 27.1550, 4.4529 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 14.9607, 27.1550, 4.4529 by changing the saturation by 10% instead.


 14.9607, 27.1550,
4.4529


 14.9607, 27.1550,
4.4529


216.5213,
288.4068, 153.1337


 8.8779, 17.6897,
1.8769


 34.3564, 55.1325,
15.0415


 4.7181, 10.7274,
0.4780


 48.4001, 74.4134,
23.8912


 2.1159, 5.8839,
0.0000

 65.8282, 97.7351,
35.6693

 0.6978, 2.7746,
0.0000

 87.0060, 125.4817,
50.7943


 0.0000, 1.0152,
0.0000


 112.2988,
158.0378, 69.6846


 0.0000, 0.0000,
0.0000


 142.0721,


195.7878, 92.7590


 176.6911,
239.1160, 120.4358


 14.9607, 27.1550,
4.4529


 14.9607, 27.1550,
4.4529


 14.9607, 27.1559,
4.4531

 15.7412, 27.5471,
4.9901

 16.7263, 28.0349,
5.9404

 17.9552, 28.6357,
7.4772

 19.4479, 29.3581,
9.6754

 21.2217, 30.2097,
12.5987

■ 23.2924, 31.1973,
16.3036

■ 25.6742, 32.3272,
20.8407

■ 28.3806, 33.6054,
26.2564

■ 31.4242, 35.0373,
32.5937

Harmonies

Analogous

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



22.1042, 27.1550, 1.7133



14.9607, 27.1550, 4.4529



11.4405, 27.1550, 15.2809

Triad

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



14.9607, 27.1550, 4.4529



20.1636, 27.1550, 119.7146



49.8333, 27.1550, 19.7477

Complementary

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



14.9607, 27.1550, 4.4529



12.2065, 5.5292, 35.0756

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.



48.9174, 27.1550, 50.7731



14.9607, 27.1550, 4.4529



29.9085, 27.1550, 124.0908

Square

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



14.9607, 27.1550, 4.4529



13.8601, 27.1550, 83.8633



40.9377, 27.1550, 93.5303



43.1859, 27.1550, 5.9032

Rectangle

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



14.9607, 27.1550, 4.4529



10.8785, 27.1550, 31.1486



40.9377, 27.1550, 93.5303



50.4382, 27.1550, 28.0402

Sweetspot

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



14.9613, 27.1561, 4.4535



45.7226, 57.7721, 36.8226



19.7125, 17.0020, 2.2431



9.8721, 12.7872, 7.5042



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.



14.9613, 27.1561, 4.4535



26.5895, 48.5275, 7.9653



13.2157, 26.2426, 4.9862



7.2203, 8.0160, 7.5468



11.6733, 21.1283, 3.4629



0.2961, 0.4702, 0.0751

Inverse Universe

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



12.2065, 5.5292, 35.0756



21.6318, 9.7839, 62.8045



20.1381, 9.8004, 27.2108



7.1104, 7.0713, 8.8932



9.5370, 4.3230, 27.2615



0.2497, 0.1163, 0.5751

Previews

White Background



This preview shows how the XYZ color 14.9607, 27.1550, 4.4529 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 14.9607, 27.1550, 4.4529 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 14.9607, 27.1550, 4.4529

Background



This preview shows how black text looks on a background with the XYZ color 14.9607, 27.1550, 4.4529.



This preview shows how white text looks on a background with the XYZ color 14.9607, 27.1550,

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

14.9607, 27.1550, 4.4529

Protanopia

24.1702, 26.8196, 3.9028

Deuteranopia

27.1739, 26.6307, 5.2214



Tritanopia

21.9536, 27.2115, 39.2172

Trichromacy



Original Color

14.9607, 27.1550, 4.4529

Protanomaly

19.2185, 26.0978, 4.0245

Deuteranomaly

20.2619, 25.4596, 4.6053

Tritanomaly

17.5290, 26.3961, 17.2678

Monochromacy



Original Color

14.9607, 27.1550, 4.4529

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.0700, 19.3633, 9.2992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9607, 27.1550, 4.4529 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(60, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 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(60, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.9607, 27.1550, 4.4529 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(60, 163, 0) }
```


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

```
.border{ border-color:rgb(60, 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(60, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 163, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9607, 27.1550, 4.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 163, 0) }
```

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

```
.background{ background-color: rgb(60, 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](#).

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