

Converting Colors

XYZ(14.9529, 27.2038, 4.4628)

Have a look what the booklet for
XYZ(14.9529, 27.2038, 4.4628)
contains.

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Color

**XYZ(14.9008, 27.1242,
4.4501)**

Conversions

Conversions Part 1

Format	Color
Hex	3BA300
RGB	59, 163, 0
RGB Percent	23%, 64%, 0%
CMY	0.7686, 0.3608, 0.9999
CMYK	0.64, 0.00, 1.00, 0.36
HSL	98°, 100%, 32%
HSV	98°, 100%, 64%
XYZ	14.9008, 27.1242, 4.4501
YIQ	113.3220, -9.6610, -72.7410

Conversions

Conversions Part 2

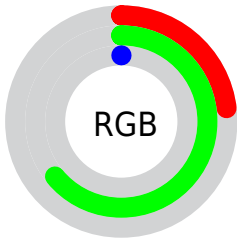
Format	Color
RYB	0, 163, 104
Decimal	3908352
CIELab	59.09, -54.06, 60.57
CIELCh	59, 81.185, 131.746
Yxy	27.1242, 0.3206, 0.5836
Android (android.graphics.Color)	4282098432 (0xFF3BA300)
YUV	113.3220, -55.8677, -47.6404
Hunter-Lab	52.0809, -40.0712, 31.3905

Details

The XYZ color **14.9008, 27.1242, 4.4501** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.3222, 5.5888, 35.0812**, and the grayscale version is **15.9560, 16.7869, 18.2810**.

A 20% lighter version of the original color is **34.2469, 55.1240, 14.9659**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **14.9009, 27.1251, 4.4503**, and if you desaturate by 10%, it is **15.6764, 27.5138, 4.9870**.

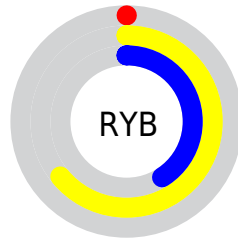
Distribution



Red (23%)

Green (64%)

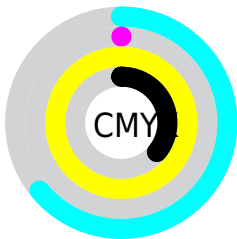
Blue (0%)



Red (0%)

Yellow (64%)

Blue (41%)

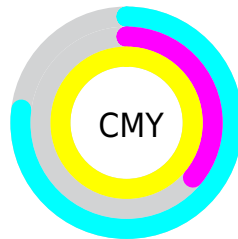


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (77%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9008, 27.1242, 4.4501 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 14.9008, 27.1242, 4.4501 by changing the saturation by 10% instead.

■ 14.9008, 27.1242,
4.4501

■ 14.9008, 27.1242,
4.4501

216.1653,
288.2580, 153.1041

■ 8.8357, 17.6665,
1.8754

■ 34.2521, 55.0831,
15.0352

■ 4.6904, 10.7108,
0.4770

■ 48.2691, 74.3531,
23.8827

■ 2.0996, 5.8727,
0.0000

■ 65.6673, 97.6627,
35.6581

■ 0.6890, 2.7679,
0.0000

■ 86.8121, 125.3963,
50.7801


■ 0.0000, 1.0118,
0.0000


■ 112.0690,
157.9382, 69.6671


■ 0.0000, 0.0000,
0.0000


■ 141.8033,


195.6728, 92.7378


 176.3803,
238.9846, 120.4106


 14.9008, 27.1242,
4.4501


 14.9008, 27.1242,
4.4501


 14.9009, 27.1251,
4.4503

 15.6764, 27.5138,
4.9870

 16.6584, 28.0000,
5.9372

 17.8865, 28.6004,
7.4739

 19.3807, 29.3236,
9.6722

 21.1586, 30.1772,
12.5958

■ 23.2359, 31.1683,
16.3009

■ 25.6273, 32.3031,
20.8384

■ 28.3462, 33.5877,
26.2547

■ 31.4054, 35.0277,
32.5928

Harmonies

Analogous

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



22.0296, 27.1242, 1.6992



14.9008, 27.1242, 4.4501



11.3972, 27.1242, 15.3251

Triad

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



14.9008, 27.1242, 4.4501



20.1690, 27.1242, 119.9586



49.8209, 27.1242, 19.6054

Complementary

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



14.9008, 27.1242, 4.4501



12.3222, 5.5888, 35.0812

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.



48.9418, 27.1242, 50.5789



14.9008, 27.1242, 4.4501



29.9352, 27.1242, 124.1625

Square

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



14.9008, 27.1242, 4.4501



13.8462, 27.1242, 84.1234



40.9754, 27.1242, 93.4071



43.1330, 27.1242, 5.8362

Rectangle

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



14.9008, 27.1242, 4.4501



10.8451, 27.1242, 31.2592



40.9754, 27.1242, 93.4071



50.4398, 27.1242, 27.8728

Sweetspot

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



14.9014, 27.1253, 4.4507



45.6374, 57.7282, 36.8186



19.9792, 17.5352, 2.3320



9.8513, 12.7765, 7.5032



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.



14.9014, 27.1253, 4.4507



26.4842, 48.4732, 7.9604



13.2403, 26.2526, 5.1156



7.2163, 8.0140, 7.5466



11.6263, 21.1041, 3.4607



0.2947, 0.4695, 0.0751

Inverse Universe

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



12.3222, 5.5888, 35.0812



21.8399, 9.8912, 62.8142



19.9330, 9.7183, 26.1305



7.1145, 7.0734, 8.8934



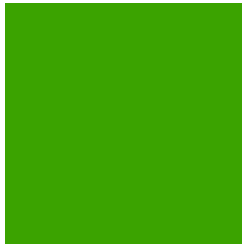
9.6266, 4.3692, 27.2657



0.2512, 0.1170, 0.5752

Previews

White Background



This preview shows how the XYZ color 14.9008, 27.1242, 4.4501 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 14.9008, 27.1242, 4.4501 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 14.9008, 27.1242, 4.4501

Background



This preview shows how black text looks on a background with the XYZ color 14.9008, 27.1242, 4.4501.



This preview shows how white text looks on a background with the XYZ color 14.9008, 27.1242,

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

14.9008, 27.1242, 4.4501

Protanopia

23.9711, 26.7169, 3.8935

Deuteranopia

27.1739, 26.6307, 5.2214



Tritanopia

21.9536, 27.2115, 39.2172

Trichromacy



Original Color

14.9008, 27.1242, 4.4501



Protanomaly

19.0747, 26.0236, 4.0177



Deuteranomaly

20.2619, 25.4596, 4.6053



Tritanomaly

17.4477, 26.3542, 17.2640

Monochromacy



Original Color

14.9008, 27.1242, 4.4501



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.8002, 19.0276, 9.0762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9008, 27.1242, 4.4501 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(59, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.9008, 27.1242, 4.4501 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(59, 163, 0) }
```


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

```
.border{ border-color:rgb(59, 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(59, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 163, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9008, 27.1242, 4.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 163, 0) }
```

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

```
.background{ background-color: rgb(59, 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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