

Converting Colors

XYZ(27.7622, 32.4374, 3.9007)

Have a look what the booklet for
XYZ(27.7622, 32.4374, 3.9007)
contains.

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Color

**XYZ(27.9527, 32.5607,
4.8116)**

Conversions

Conversions Part 1

Format	Color
Hex	A69E00
RGB	166, 158, 0
RGB Percent	65%, 62%, 0%
CMY	0.3490, 0.3804, 0.9999
CMYK	0.00, 0.05, 1.00, 0.35
HSL	57°, 100%, 33%
HSV	57°, 100%, 65%
XYZ	27.9527, 32.5607, 4.8116
YIQ	142.3800, 55.4860, -47.4420

Conversions

Conversions Part 2

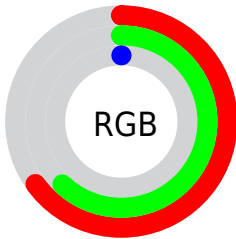
Format	Color
RYB	8, 166, 0
Decimal	10919424
CIELab	63.80, -11.48, 66.88
CIELCh	64, 67.861, 99.736
Yxy	32.5607, 0.4279, 0.4984
Android (android.graphics.Color)	4289109504 (0xFFA69E00)
YUV	142.3800, -70.1933, 20.7147
Hunter-Lab	57.0620, -12.4175, 34.9439

Details

The XYZ color **27.9527, 32.5607, 4.8116** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.9700, 2.9271, 36.2736**, and the grayscale version is **26.1177, 27.4778, 29.9234**.

A 20% lighter version of the original color is **55.8309, 63.5889, 15.8099**, and **11.6881, 13.8304, 2.0535** is the 20% darker color. If you saturate the color by 10%, you get **27.9532, 32.5620, 4.8118**, and if you desaturate by 10%, it is **28.1884, 32.8751, 5.3745**.

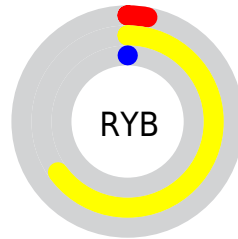
Distribution



Red (65%)

Green (62%)

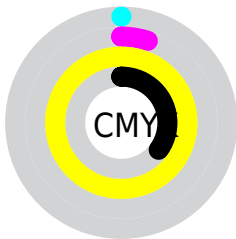
Blue (0%)



Red (3%)

Yellow (65%)

Blue (0%)

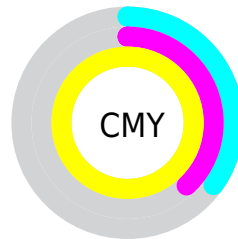


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9527, 32.5607, 4.8116 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 27.9527, 32.5607, 4.8116 by changing the saturation by 10% instead.

■ 27.9527, 32.5607,
4.8116

■ 27.9527, 32.5607,
4.8116

284.3250,
313.6656, 156.8592

■ 18.4303, 21.7901,
2.0804

■ 55.8181, 63.6891,
15.8421

■ 11.3609, 13.7028,
0.6040

■ 74.8918, 84.8156,
24.9784

■ 6.3792, 7.9142,
0.0000

■ 97.8799, 110.1630,
37.0868

■ 3.1198, 4.0401,
0.0000

■ 125.1479,
140.1156, 52.5858

■ 1.2175, 1.6960,
0.0000

■ 157.0610,
175.0577, 71.8941

■ 0.1201, 0.4211,
0.0000

■ 193.9847,

■ 0.0000, 0.0000,

215.3738, 95.4300

0.0000

236.2842,
261.4483, 123.6122

27.9527, 32.5607,
4.8116

27.9527, 32.5607,
4.8116

27.9532, 32.5620,
4.8118

28.1884, 32.8751,
5.3745

28.5054, 33.2223,
6.3648

28.9382, 33.6172,
7.9602

29.5017, 34.0658,
10.2390

30.2083, 34.5731,
13.2676

■ 31.0693, 35.1436,
17.1048

■ 32.0948, 35.7813,
21.8032

■ 33.2938, 36.4898,
27.4114

■ 34.6749, 37.2726,
33.9741

Harmonies

Analogous

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



37.7351, 32.5607, 5.5000



27.9527, 32.5607, 4.8116



20.6538, 32.5607, 8.4792

Triad

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



27.9527, 32.5607, 4.8116



18.8915, 32.5607, 80.6695



51.5069, 32.5607, 56.9015

Complementary

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



27.9527, 32.5607, 4.8116



6.9700, 2.9271, 36.2736

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.



44.1954, 32.5607, 93.0259



27.9527, 32.5607, 4.8116



25.0277, 32.5607, 110.9429

Square

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



27.9527, 32.5607, 4.8116



16.1780, 32.5607, 45.0844



34.1499, 32.5607, 116.3585



52.7382, 32.5607, 27.3015

Rectangle

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



27.9527, 32.5607, 4.8116



17.6704, 32.5607, 15.0426



34.1499, 32.5607, 116.3585



49.6168, 32.5607, 69.0064

Sweetspot

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



27.9534, 32.5622, 4.8123



58.1360, 64.8715, 39.0452



15.7714, 8.1254, 0.9759



12.8341, 14.4092, 7.9284



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.



27.9534, 32.5622, 4.8123



50.6871, 59.0057, 8.7177



17.9808, 29.5119, 4.7491



8.1155, 8.7110, 8.0429



21.6866, 25.2705, 3.7347



0.5367, 0.6330, 0.0939

Inverse Universe

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



6.9700, 2.9271, 36.2736



12.6052, 5.2234, 65.8191



9.7618, 4.2376, 36.3794



7.1597, 7.3564, 9.4609



5.4147, 2.2896, 28.1320



0.1405, 0.0733, 0.6874

Previews

White Background



This preview shows how the XYZ color 27.9527, 32.5607, 4.8116 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.9527, 32.5607, 4.8116 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 ✓ Pass

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

XYZ 27.9527, 32.5607, 4.8116

Background



This preview shows how black text looks on a background with the XYZ color 27.9527, 32.5607, 4.8116.



This preview shows how white text looks on a background with the XYZ color 27.9527, 32.5607,

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

27.9527, 32.5607, 4.8116

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.0842, 32.5275, 5.2938



Tritanopia

34.5098, 32.5662, 36.8148

Trichromacy



Original Color

27.9527, 32.5607, 4.8116

Protanomaly

28.9017, 32.5476, 4.7590

Deuteranomaly

30.9130, 32.3553, 5.0314

Tritanomaly

30.4288, 31.8435, 16.8545

Monochromacy



Original Color

27.9527, 32.5607, 4.8116

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.1979, 28.4973, 13.8453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9527, 32.5607, 4.8116 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(166, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 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(166, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9527, 32.5607, 4.8116 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(166, 158, 0) }
```


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

```
.border{ border-color:rgb(166, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9527, 32.5607, 4.8116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 0) }
```

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

```
.background{ background-color: rgb(166,  
158, 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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