

Converting Colors

XYZ(16.4675, 29.3583, 4.7988)

Have a look what the booklet for
XYZ(16.4675, 29.3583, 4.7988)
contains.

XYZ(16.3865, 29.2342, 4.7791)	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(16.3865, 29.2342,
4.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	44A800
RGB	68, 168, 0
RGB Percent	27%, 66%, 0%
CMY	0.7333, 0.3412, 0.9999
CMYK	0.60, 0.00, 1.00, 0.34
HSL	96°, 100%, 33%
HSV	96°, 100%, 66%
XYZ	16.3865, 29.2342, 4.7791
YIQ	118.9480, -5.6720, -73.4480

Conversions

Conversions Part 2

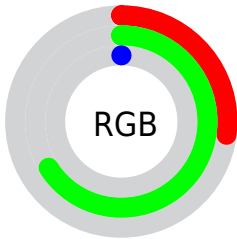
Format	Color
RYB	0, 168, 100
Decimal	4499456
CIELab	60.99, -53.56, 62.19
CIELCh	61, 82.074, 130.738
Yxy	29.2342, 0.3251, 0.5800
Android (android.graphics.Color)	4282689536 (0xFF44A800)
YUV	118.9480, -58.6414, -44.6814
Hunter-Lab	54.0687, -40.5225, 32.6075

Details

The XYZ color **16.3865, 29.2342, 4.7791** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.3260, 5.5380, 37.4667**, and the grayscale version is **17.7004, 18.6222, 20.2796**.

A 20% lighter version of the original color is **36.7938, 58.3949, 15.8107**, and **6.1307, 12.2615, 2.0436** is the 20% darker color. If you saturate the color by 10%, you get **16.3865, 29.2351, 4.7793**, and if you desaturate by 10%, it is **17.2449, 29.6661, 5.3400**.

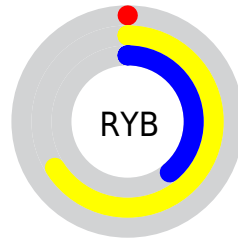
Distribution



Red (27%)

Green (66%)

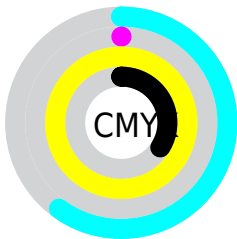
Blue (0%)



Red (0%)

Yellow (66%)

Blue (39%)

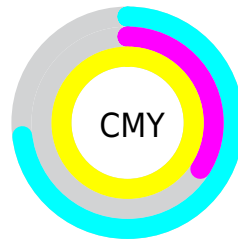


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (73%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3865, 29.2342, 4.7791 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 16.3865, 29.2342, 4.7791 by changing the saturation by 10% instead.

■ 16.3865, 29.2342,
4.7791

■ 16.3865, 29.2342,
4.7791

■ 224.8375,
298.3184, 156.5271

■ 9.8906, 19.2581,
2.0618

■ 36.8199, 58.4490,
15.7701

■ 5.3882, 11.8569,
0.5929

■ 51.4883, 78.4564,
24.8809

■ 2.5139, 6.6463,
0.0000

■ 69.6114, 102.5764,
36.9598

■ 0.9023, 3.2419,
0.0000

■ 91.5548, 131.1933,
52.4256

■ 0.0000, 1.2593,
0.0000

■ 117.6837,
164.6916, 71.6966


■ 0.0000, 0.1094,
0.0000


■ 148.3636,


■ 0.0000, 0.0000,


203.4556, 95.1916


0.0000


 183.9597,
247.8697, 123.3288


 16.3865, 29.2342,
4.7791

 16.3865, 29.2342,
4.7791


 16.3865, 29.2351,
4.7793

 17.2449, 29.6661,
5.3400

 18.3111, 30.1946,
6.3475

 19.6253, 30.8372,
7.9827

 21.2078, 31.6028,
10.3265

 23.0761, 32.4988,
13.4476

■ 25.2464, 33.5322,
17.4067

■ 27.7332, 34.7094,
22.2585

■ 30.5500, 36.0362,
28.0529

■ 33.7096, 37.5182,
34.8362

Harmonies

Analogous

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



24.1194, 29.2342, 1.9248



16.3865, 29.2342, 4.7791



12.5140, 29.2342, 16.0554

Triad

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



16.3865, 29.2342, 4.7791



21.5246, 29.2342, 126.4371



53.3631, 29.2342, 22.0489

Complementary

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



16.3865, 29.2342, 4.7791



12.3260, 5.5380, 37.4667

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.



52.1469, 29.2342, 55.5534



16.3865, 29.2342, 4.7791



31.8071, 29.2342, 132.2208

Square

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



16.3865, 29.2342, 4.7791



14.9093, 29.2342, 88.0036



43.5292, 29.2342, 100.8042



46.5183, 29.2342, 6.7555

Rectangle

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



16.3865, 29.2342, 4.7791



11.8490, 29.2342, 32.5972



43.5292, 29.2342, 100.8042



53.9201, 29.2342, 31.0771

Sweetspot

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



16.3872, 29.2354, 4.7797



50.0557, 62.8560, 39.8525



20.5177, 17.0621, 2.2124



10.5010, 13.5065, 7.8771



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.



16.3872, 29.2354, 4.7797



29.5057, 52.9312, 8.6616



14.0828, 28.0383, 5.0857



7.7134, 8.5504, 8.0331



12.4289, 22.1046, 3.6115



0.3606, 0.5678, 0.0906

Inverse Universe

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



12.3260, 5.5380, 37.4667



22.1163, 9.9197, 67.9741



21.9824, 10.6588, 31.4725



7.5438, 7.5130, 9.4709



9.3662, 4.2119, 28.2948



0.2835, 0.1311, 0.6910

Previews

White Background



This preview shows how the XYZ color 16.3865, 29.2342, 4.7791 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 16.3865, 29.2342, 4.7791 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 16.3865, 29.2342, 4.7791

Background



This preview shows how black text looks on a background with the XYZ color 16.3865, 29.2342, 4.7791.



This preview shows how white text looks on a background with the XYZ color 16.3865, 29.2342,

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

16.3865, 29.2342, 4.7791

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.3032, 28.7769, 5.6002



Tritanopia

23.7692, 29.0744, 41.8953

Trichromacy



Original Color

16.3865, 29.2342, 4.7791

Protanomaly

20.9273, 28.1885, 4.3379

Deuteranomaly

22.2065, 27.6214, 4.9201

Tritanomaly

19.0239, 28.1556, 18.6193

Monochromacy



Original Color

16.3865, 29.2342, 4.7791

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

15.5057, 21.1224, 10.0973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3865, 29.2342, 4.7791 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(68, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 168, 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(68, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3865, 29.2342, 4.7791 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(68, 168, 0) }
```


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

```
.border{ border-color:rgb(68, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 168, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3865, 29.2342, 4.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 168, 0) }
```

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

```
.background{ background-color: rgb(68, 168,  
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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