

Converting Colors

XYZ(16.0603, 29.8121, 8.7086)

Have a look what the booklet for
XYZ(16.0603, 29.8121, 8.7086)
contains.

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Color

**XYZ(16.0397, 29.8047,
8.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	25AB38
RGB	37, 171, 56
RGB Percent	15%, 67%, 22%
CMY	0.8549, 0.3294, 0.7804
CMYK	0.78, 0.00, 0.67, 0.33
HSL	129°, 64%, 41%
HSV	129°, 78%, 67%
XYZ	16.0397, 29.8047, 8.6489
YIQ	117.8240, -42.9490, -64.1730

Conversions

Conversions Part 2

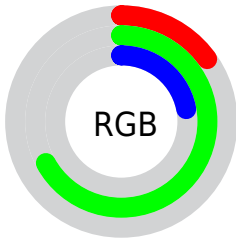
Format	Color
RYB	37, 154, 171
Decimal	2468664
CIELab	61.49, -57.68, 47.62
CIELCh	61, 74.801, 140.458
Yxy	29.8047, 0.2943, 0.5469
Android (android.graphics.Color)	4280658744 (0xFF25AB38)
YUV	117.8240, -30.4792, -70.8826
Hunter-Lab	54.5937, -43.0954, 28.8227

Details

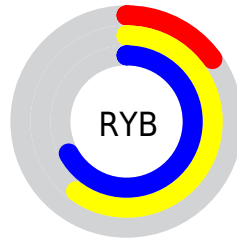
The XYZ color **16.0397, 29.8047, 8.6489** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **23.1244, 12.2485, 30.8514**, and the grayscale version is **17.2675, 18.1667, 19.7836**.

A 20% lighter version of the original color is **36.3940, 59.6337, 23.7796**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **15.2560, 29.4371, 7.0059**, and if you desaturate by 10%, it is **17.2174, 30.3649, 10.8610**.

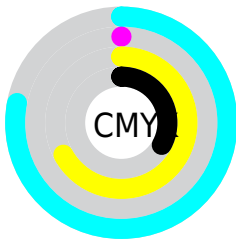
Distribution



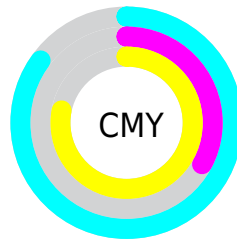
- Red (15%)
- Green (67%)
- Blue (22%)



- Red (15%)
- Yellow (60%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (67%)
- Black (33%)





- Cyan (85%)
- Magenta (33%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0397, 29.8047, 8.6489 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 16.0397, 29.8047, 8.6489 by changing the saturation by 10% instead.


 16.0397, 29.8047,
8.6489


 16.0397, 29.8047,
8.6489


222.8417,
300.9931, 190.8573


 9.6433, 19.6904,
4.4192


 36.2240, 59.3532,
23.7879


 5.2235, 12.1702,
1.8580


 50.7426, 79.5562,
35.5343


 2.4151, 6.8597,
0.4658


 68.6993, 103.8908,
50.6233

 0.8526, 3.3745,
0.0000

 90.4594, 132.7415,
69.4736

 0.0000, 1.3302,
0.0000

 116.3884,
166.4927, 92.5036

 0.0000, 0.1644,
0.0000

 146.8515,

 0.0000, 0.0000,

205.5288, 120.1318

0.0000

182.2141,
250.2341, 152.7769

■ 16.0397, 29.8047,
8.6489

■ 16.0397, 29.8047,
8.6489

■ 15.2560, 29.4371,
7.0059

■ 17.2174, 30.3649,
10.8610

■ 14.7924, 29.2226,
5.8769


■ 18.8307, 31.1358,
13.6857


■ 14.7310, 29.1940,
5.7364


■ 20.9184, 32.1372,
17.1648


■ 23.5142, 33.3858,
21.3356

■ 26.6487, 34.8965,
26.2329

 30.3503, 36.6834,
31.8889

 34.6451, 38.7592,
38.3340

 39.5576, 41.1361,
45.5969

 45.1112, 43.8253,
53.7048

Harmonies

Analogous

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



22.1831, 29.8047, 3.4869



16.0397, 29.8047, 8.6489



13.3987, 29.8047, 24.2284

Triad

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



16.0397, 29.8047, 8.6489



25.2888, 29.8047, 121.3543



50.1655, 29.8047, 16.8852

Complementary

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



16.0397, 29.8047, 8.6489



23.1244, 12.2485, 30.8514

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.



51.5496, 29.8047, 42.3537



16.0397, 29.8047, 8.6489



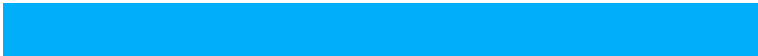
35.5153, 29.8047, 115.0029

Square

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



16.0397, 29.8047, 8.6489



17.8564, 29.8047, 95.2510



45.6873, 29.8047, 80.9974



42.2562, 29.8047, 5.9539

Rectangle

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



16.0397, 29.8047, 8.6489



13.4308, 29.8047, 43.3860



45.6873, 29.8047, 80.9974



51.4710, 29.8047, 23.5296

Sweetspot

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



16.0404, 29.8059, 8.6496



50.2112, 63.6952, 50.8035



28.0601, 36.0462, 7.2290



10.7071, 13.9678, 10.5760



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0404, 29.8059, 8.6496



26.6860, 52.4244, 10.9868



18.8313, 30.9223, 23.3460



7.9490, 8.9572, 8.7567



11.1168, 22.0120, 4.3887



0.3232, 0.6179, 0.1957

Inverse Universe

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



23.1244, 12.2485, 30.8514



39.7714, 19.6199, 51.7213



19.1421, 10.6556, 9.8805



8.2875, 8.1282, 9.8248



16.6307, 8.1148, 21.4987



0.4758, 0.2310, 0.6672

Previews

White Background



This preview shows how the XYZ color 16.0397, 29.8047, 8.6489 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 16.0397, 29.8047, 8.6489 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 16.0397, 29.8047, 8.6489

Background



This preview shows how black text looks on a background with the XYZ color 16.0397, 29.8047, 8.6489.



This preview shows how white text looks on a background with the XYZ color 16.0397, 29.8047,

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

16.0397, 29.8047, 8.6489

Protanopia

26.6827, 29.4094, 7.2879

Deuteranopia

29.6529, 29.0946, 9.2072



Tritanopia

23.1742, 29.7365, 44.0535

Trichromacy



Original Color

16.0397, 29.8047, 8.6489



Protanomaly

19.9795, 27.8764, 7.5765



Deuteranomaly

20.9894, 27.1481, 8.6913



Tritanomaly

19.2913, 29.1868, 25.7359

Monochromacy



Original Color

16.0397, 29.8047, 8.6489



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.1310, 20.8414, 14.0518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0397, 29.8047, 8.6489 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(37, 171, 56)` looks like.

```
.text, #text, p{  
    color:rgb(37, 171, 56)  
}
```

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(37, 171, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 171, 56) }
```

Border

The CSS property to change the border of an element to XYZ 16.0397, 29.8047, 8.6489 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(37, 171, 56) }
```


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

```
.border{ border-color:rgb(37, 171, 56) }
```

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

Here you see how a box with a 4 pixel rgb(37, 171, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 171, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 171, 56);  
box-shadow:4px 4px 4px 4px rgb(37, 171,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0397, 29.8047, 8.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 171, 56) }
```

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

```
.background{ background-color: rgb(37, 171,  
56) }
```

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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