

Converting Colors

XYZ(16.3837, 29.3980, 14.9278)

Have a look what the booklet for
XYZ(16.3837, 29.3980, 14.9278)
contains.

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Color

**XYZ(16.3167, 29.2502,
14.9111)**

Conversions

Conversions Part 1

Format	Color
Hex	0FA95C
RGB	15, 169, 92
RGB Percent	6%, 66%, 36%
CMY	0.9412, 0.3372, 0.6392
CMYK	0.91, 0.00, 0.46, 0.34
HSL	150°, 84%, 36%
HSV	150°, 91%, 66%
XYZ	16.3167, 29.2502, 14.9111
YIQ	114.1760, -67.0670, -56.5950

Conversions

Conversions Part 2

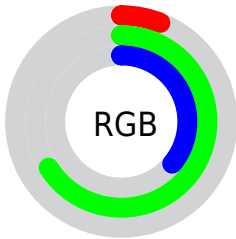
Format	Color
RYB	15, 118, 169
Decimal	1026396
CIELab	61.00, -54.02, 29.67
CIELCh	61, 61.631, 151.219
Yxy	29.2502, 0.2698, 0.4837
Android (android.graphics.Color)	4279216476 (0xFF0FA95C)
YUV	114.1760, -10.9328, -86.9774
Hunter-Lab	54.0835, -40.7935, 21.5118

Details

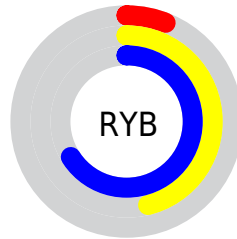
The XYZ color **16.3167, 29.2502, 14.9111** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.4656, 9.5499, 10.9962**, and the grayscale version is **16.0940, 16.9322, 18.4391**.

A 20% lighter version of the original color is **36.6025, 58.2665, 35.3040**, and **6.5854, 12.4433, 4.4376** is the 20% darker color. If you saturate the color by 10%, you get **15.8084, 29.0250, 13.2599**, and if you desaturate by 10%, it is **17.1034, 29.6115, 16.9859**.

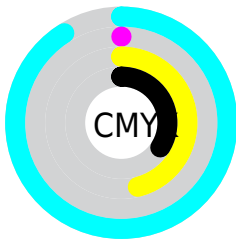
Distribution



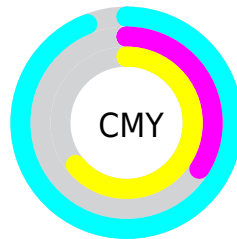
- Red (6%)
- Green (66%)
- Blue (36%)



- Red (6%)
- Yellow (46%)
- Blue (66%)



- Cyan (91%)
- Magenta (0%)
- Yellow (46%)
- Black (34%)





- Cyan (94%)
- Magenta (34%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3167, 29.2502, 14.9111 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 16.3167, 29.2502, 14.9111 by changing the saturation by 10% instead.


 16.3167, 29.2502,
14.9111


 16.3167, 29.2502,
14.9111


224.4372,
298.3936, 234.4497


 9.8408, 19.2702,
8.6111


 36.7002, 58.4744,
35.4372


 5.3550, 11.8657,
4.3951


 51.3384, 78.4873,
50.5005


 2.4939, 6.6523,
1.8445


 69.4282, 102.6133,
69.3218

 0.8922, 3.2456,
0.4571

 91.3349, 131.2368,
92.3199

 0.0000, 1.2613,
0.0000

 117.4237,
164.7422, 119.9131

 0.0000, 0.1109,
0.0000

 148.0602,

 0.0000, 0.0000,

203.5139, 152.5202

0.0000

183.6095,
247.9362, 190.5595

■ 16.3167, 29.2502,
14.9111

■ 16.3167, 29.2502,
14.9111

■ 15.8084, 29.0250,
13.2599

■ 17.1034, 29.6115,
16.9859

■ 18.2008, 30.1272,
19.2964

■ 19.6471, 30.8177,
21.8515

■ 21.4742, 31.6994,
24.6589

■ 23.7102, 32.7865,
27.7258

■ 26.3804, 34.0921,
31.0591

■ 29.5081, 35.6278,
34.6653

■ 33.1146, 37.4048,
38.5509

■ 37.2202, 39.4332,
42.7220

Harmonies

Analogous

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



20.5220, 29.2502, 6.9831



16.3167, 29.2502, 14.9111



15.0143, 29.2502, 32.8018

Triad

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



16.3167, 29.2502, 14.9111



28.1323, 29.2502, 99.9574



43.2605, 29.2502, 13.9469

Complementary

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



16.3167, 29.2502, 14.9111



18.4656, 9.5499, 10.9962

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.



46.3375, 29.2502, 30.9139



16.3167, 29.2502, 14.9111



36.6261, 29.2502, 86.8310

Square

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



16.3167, 29.2502, 14.9111



20.9918, 29.2502, 88.6862



43.7045, 29.2502, 58.3315



35.9443, 29.2502, 6.6455

Rectangle

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



16.3167, 29.2502, 14.9111



15.7191, 29.2502, 50.7505



43.7045, 29.2502, 58.3315



44.8819, 29.2502, 18.3412

Sweetspot

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



16.3174, 29.2514, 14.9118



49.1857, 62.0068, 57.9163



18.9495, 30.8215, 5.4024



10.3421, 13.3293, 12.1772



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.



16.3174, 29.2514, 14.9118



28.2052, 51.9379, 23.1902



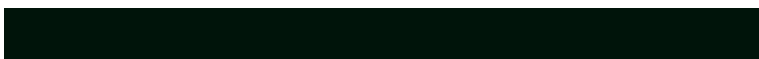
21.3086, 31.2479, 41.1950



7.5873, 8.4680, 8.8129



11.8085, 21.6422, 10.0246



0.3132, 0.5369, 0.3800

Inverse Universe

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



18.4656, 9.5499, 10.9962



32.0993, 16.2249, 16.0924



16.6394, 8.8194, 1.3793



7.6817, 7.6025, 8.6409



13.4290, 6.7803, 7.0708



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 16.3167, 29.2502, 14.9111 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 16.3167, 29.2502, 14.9111 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 16.3167, 29.2502, 14.9111

Background



This preview shows how black text looks on a background with the XYZ color 16.3167, 29.2502, 14.9111.



This preview shows how white text looks on a background with the XYZ color 16.3167, 29.2502,

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

16.3167, 29.2502, 14.9111

Protanopia

26.3763, 28.6714, 12.5315

Deuteranopia

29.3094, 28.7710, 15.8130



Tritanopia

22.2280, 29.2487, 44.0092

Trichromacy



Original Color

16.3167, 29.2502, 14.9111



Protanomaly

19.3393, 26.9251, 13.1946



Deuteranomaly

20.5140, 26.7597, 15.1503



Tritanomaly

19.2579, 28.7888, 30.9274

Monochromacy



Original Color

16.3167, 29.2502, 14.9111



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.2685, 19.7105, 16.6881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3167, 29.2502, 14.9111 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(15, 169, 92)` looks like.

```
.text, #text, p{  
    color:rgb(15, 169, 92)  
}
```

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(15, 169, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 169, 92) }
```

Border

The CSS property to change the border of an element to XYZ 16.3167, 29.2502, 14.9111 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(15, 169, 92) }
```


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

```
.border{ border-color:rgb(15, 169, 92) }
```

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

Here you see how a box with a 4 pixel rgb(15, 169, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 169, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 169, 92);  
box-shadow:4px 4px 4px 4px rgb(15, 169,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3167, 29.2502, 14.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 169, 92) }
```

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

```
.background{ background-color: rgb(15, 169,  
92) }
```

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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