

Converting Colors

XYZ(15.8411, 29.4966, 6.1845)

Have a look what the booklet for
XYZ(15.8411, 29.4966, 6.1845)
contains.

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Color

**XYZ(15.8410, 29.4768,
6.1510)**

Conversions

Conversions Part 1

Format	Color
Hex	30AA1F
RGB	48, 170, 31
RGB Percent	19%, 67%, 12%
CMY	0.8118, 0.3333, 0.8784
CMYK	0.72, 0.00, 0.82, 0.33
HSL	113°, 69%, 39%
HSV	113°, 82%, 67%
XYZ	15.8410, 29.4768, 6.1510
YIQ	117.6760, -28.0930, -69.0930

Conversions

Conversions Part 2

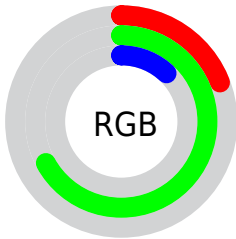
Format	Color
R_{YB}	31, 170, 153
Decimal	3189279
CIE _{Lab}	61.20, -57.60, 56.36
CIE _{LCh}	61, 80.589, 135.622
Yxy	29.4768, 0.3078, 0.5727
Android (android.graphics.Color)	4281379359 (0xFF30AA1F)
YUV	117.6760, -42.7313, -61.1059
Hunter-Lab	54.2925, -42.9308, 31.2876

Details

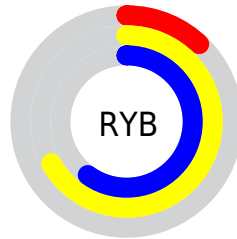
The XYZ color **15.8410, 29.4768, 6.1510** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.8848, 10.6559, 38.9879**, and the grayscale version is **17.2550, 18.1536, 19.7692**.

A 20% lighter version of the original color is **35.7679, 58.6080, 18.6598**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **15.0844, 29.1070, 5.2389**, and if you desaturate by 10%, it is **16.9539, 30.0183, 7.6976**.

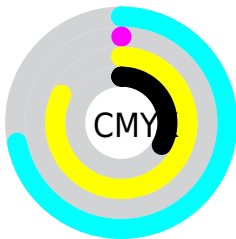
Distribution



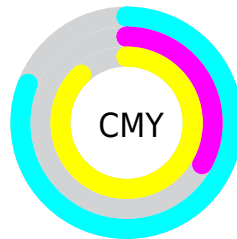
- Red (19%)
- Green (67%)
- Blue (12%)



- Red (12%)
- Yellow (67%)
- Blue (60%)



- Cyan (72%)
- Magenta (0%)
- Yellow (82%)
- Black (33%)





- Cyan (81%)
- Magenta (33%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8410, 29.4768, 6.1510 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 15.8410, 29.4768, 6.1510 by changing the saturation by 10% instead.


 15.8410, 29.4768,
6.1510


 15.8410, 29.4768,
6.1510


221.6905,
299.4580, 169.7640


 9.5018, 19.4418,
2.8668


 35.8816, 58.8338,
18.7266


 5.1297, 11.9899,
1.0271


 50.3138, 78.9246,
28.8551

 2.3591, 6.7368,
0.0000


 68.1744, 103.1360,
42.1021

 0.8246, 3.2981,
0.0000

 89.8287, 131.8526,
58.8862

 0.0000, 1.2893,
0.0000

 115.6421,
165.4587, 79.6258

 0.0000, 0.1329,
0.0000

 145.9800,

 0.0000, 0.0000,

204.3387, 104.7397

0.0000

181.2077,
248.8770, 134.6462

■ 15.8410, 29.4768,
6.1510

■ 15.8410, 29.4768,
6.1510

■ 15.0844, 29.1070,
5.2389

■ 16.9539, 30.0183,
7.6976

■ 14.6801, 28.9078,
4.8060

■ 18.4588, 30.7455,
9.9637

■ 20.3892, 31.6750,
13.0234

■ 22.7743, 32.8203,
16.9410

■ 25.6408, 34.1940,
21.7742

■ 29.0134, 35.8078,
27.5758

■ 32.9150, 37.6722,
34.3945

■ 37.3670, 39.7975,
42.2759

■ 42.3897, 42.1931,
51.2625

Harmonies

Analogous

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



22.8851, 29.4768, 2.3257



15.8410, 29.4768, 6.1510



12.5629, 29.4768, 19.6862

Triad

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



15.8410, 29.4768, 6.1510



23.2599, 29.4768, 128.1605



52.5482, 29.4768, 18.8172

Complementary

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



15.8410, 29.4768, 6.1510



20.8848, 10.6559, 38.9879

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.



52.7223, 29.4768, 48.8573



15.8410, 29.4768, 6.1510



33.8635, 29.4768, 127.3382

Square

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



15.8410, 29.4768, 6.1510



16.0555, 29.4768, 94.3941



45.2294, 29.4768, 92.5698



44.8009, 29.4768, 5.8584

Rectangle

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



15.8410, 29.4768, 6.1510



12.2494, 29.4768, 38.1513



45.2294, 29.4768, 92.5698



53.5492, 29.4768, 26.7165

Sweetspot

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



15.8417, 29.4780, 6.1517



50.2708, 63.8338, 45.9346



27.9681, 30.9303, 5.7928



10.7478, 14.0137, 9.4481



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.



15.8417, 29.4780, 6.1517



26.6714, 52.4642, 8.8483



16.4625, 29.6509, 12.8326



7.5188, 8.4501, 8.0240



10.8252, 21.2778, 3.5365



0.2885, 0.5306, 0.0872

Inverse Universe

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



20.8848, 10.6559, 38.9879



35.7881, 17.0002, 70.3970



20.4005, 10.8595, 18.4855



7.7503, 7.6194, 9.4805



14.5154, 6.8664, 28.5358



0.3776, 0.1796, 0.6954

Previews

White Background



This preview shows how the XYZ color 15.8410, 29.4768, 6.1510 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 15.8410, 29.4768, 6.1510 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 15.8410, 29.4768, 6.1510

Background



This preview shows how black text looks on a background with the XYZ color 15.8410, 29.4768, 6.1510.



This preview shows how white text looks on a background with the XYZ color 15.8410, 29.4768,

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

15.8410, 29.4768, 6.1510

Protanopia

26.1262, 28.9370, 5.1281

Deuteranopia

29.5129, 28.8608, 6.7045



Tritanopia

23.1448, 29.2330, 42.9507

Trichromacy



Original Color

15.8410, 29.4768, 6.1510



Protanomaly

19.9452, 27.6594, 5.3245



Deuteranomaly

21.2983, 27.1237, 6.2107



Tritanomaly

18.8363, 28.4988, 22.2773

Monochromacy



Original Color

15.8410, 29.4768, 6.1510



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.1396, 20.8904, 12.0384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8410, 29.4768, 6.1510 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(48, 170, 31)` looks like.

```
.text, #text, p{  
    color:rgb(48, 170, 31)  
}
```

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(48, 170, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 170, 31) }
```

Border

The CSS property to change the border of an element to XYZ 15.8410, 29.4768, 6.1510 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(48, 170, 31) }
```


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

```
.border{ border-color:rgb(48, 170, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 170, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 170, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 170, 31);  
box-shadow:4px 4px 4px 4px rgb(48, 170,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8410, 29.4768, 6.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 170, 31) }
```

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

```
.background{ background-color: rgb(48, 170,  
31) }
```

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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