

Converting Colors

XYZ(18.8555, 29.3330, 6.1399)

Have a look what the booklet for
XYZ(18.8555, 29.3330, 6.1399)
contains.

XYZ(18.9168, 29.4274, 6.1219)	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(18.9168, 29.4274,
6.1219)**

Conversions

Conversions Part 1

Format	Color
Hex	65A421
RGB	101, 164, 33
RGB Percent	40%, 64%, 13%
CMY	0.6039, 0.3568, 0.8706
CMYK	0.38, 0.00, 0.80, 0.36
HSL	89°, 66%, 39%
HSV	89°, 80%, 64%
XYZ	18.9168, 29.4274, 6.1219
YIQ	130.2290, 4.5030, -54.0970

Conversions

Conversions Part 2

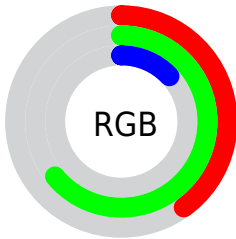
Format	Color
RYB	33, 164, 96
Decimal	6661153
CIELab	61.16, -40.65, 56.41
CIELCh	61, 69.529, 125.775
Yxy	29.4274, 0.3473, 0.5403
Android (android.graphics.Color)	4284851233 (0xFF65A421)
YUV	130.2290, -47.9339, -25.6338
Hunter-Lab	54.2470, -32.6865, 31.2819

Details

The XYZ color **18.9168, 29.4274, 6.1219** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.0701, 6.2558, 35.6949**, and the grayscale version is **21.4635, 22.5813, 24.5911**.

A 20% lighter version of the original color is **41.0393, 58.5524, 18.5899**, and **6.8329, 12.1238, 1.9800** is the 20% darker color. If you saturate the color by 10%, you get **17.8997, 28.9244, 5.1538**, and if you desaturate by 10%, it is **20.1319, 30.0214, 7.6846**.

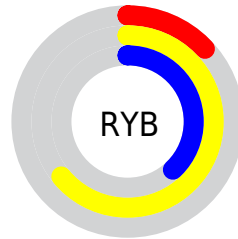
Distribution



Red (40%)

Green (64%)

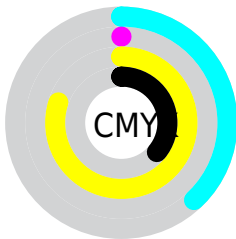
Blue (13%)



Red (13%)

Yellow (64%)

Blue (38%)

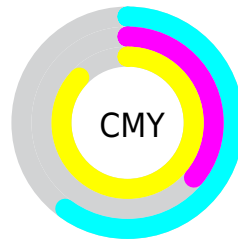


Cyan (38%)

Magenta (0%)

Yellow (80%)

Black (36%)



Cyan (60%)


Magenta (36%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9168, 29.4274, 6.1219 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 18.9168, 29.4274, 6.1219 by changing the saturation by 10% instead.


 18.9168, 29.4274,
6.1219


 18.9168, 29.4274,
6.1219


238.9360,
299.2262, 169.4979


 11.7138, 19.4044,
2.8494


 41.1114, 58.7555,
18.6654


 6.6199, 11.9628,
1.0182


 56.8338, 78.8293,
28.7735

 3.2698, 6.7184,
0.0000


 76.1266, 103.0222,
41.9971

 1.2980, 3.2866,
0.0000

 99.3554, 131.7185,
58.7548

 0.1817, 1.2831,
0.0000

 126.8853,
165.3027, 79.4653

 0.0000, 0.1281,
0.0000

 159.0818,

 0.0000, 0.0000,

204.1591, 104.5469

0.0000

196.3103,
248.6722, 134.4183

■ 18.9168, 29.4274,
6.1219

■ 18.9168, 29.4274,
6.1219

■ 17.8997, 28.9244,
5.1538

■ 20.1319, 30.0214,
7.6846

■ 17.0439, 28.4944,
4.6076

■ 21.5597, 30.7096,
9.9157

■ 17.0338, 28.4893,
4.6012

■ 23.2153, 31.4992,
12.8804

■ 25.1116, 32.3956,
16.6357

■ 27.2604, 33.4038,
21.2328

■ 29.6724, 34.5283,
26.7188

■ 32.3581, 35.7735,
33.1371

■ 35.3267, 37.1434,
40.5284

■ 38.5876, 38.6419,
48.9309

Harmonies

Analogous

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



26.2415, 29.4274, 3.5434



18.9168, 29.4274, 6.1219



14.8284, 29.4274, 15.5319

Triad

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



18.9168, 29.4274, 6.1219



21.3717, 29.4274, 103.1646



49.3053, 29.4274, 27.2472

Complementary

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



18.9168, 29.4274, 6.1219



12.0701, 6.2558, 35.6949

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.



47.2114, 29.4274, 57.3927



18.9168, 29.4274, 6.1219



29.7725, 29.4274, 112.5245

Square

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



18.9168, 29.4274, 6.1219



16.0150, 29.4274, 71.3004



39.5297, 29.4274, 92.5294



44.7529, 29.4274, 10.7309

Rectangle

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



18.9168, 29.4274, 6.1219



13.8692, 29.4274, 28.4809



39.5297, 29.4274, 92.5294



49.3657, 29.4274, 35.8869

Sweetspot

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



18.9175, 29.4287, 6.1225



51.7938, 61.7110, 43.7343



19.6002, 16.0327, 3.5009



11.0039, 13.3423, 8.8403



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.9175, 29.4287, 6.1225



31.2540, 51.8785, 8.6123



14.3271, 27.0622, 5.9077



7.3198, 8.0674, 7.5514



13.1154, 21.8717, 3.5304



0.3299, 0.4876, 0.0767

Inverse Universe

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



12.0701, 6.2558, 35.6949



18.3759, 8.2061, 64.3677



21.6699, 11.2047, 36.1442



7.0094, 7.0192, 8.8885



7.6569, 3.3538, 27.1736



0.2154, 0.0986, 0.5735

Previews

White Background



This preview shows how the XYZ color 18.9168, 29.4274, 6.1219 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 18.9168, 29.4274, 6.1219 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 18.9168, 29.4274, 6.1219

Background



This preview shows how black text looks on a background with the XYZ color 18.9168, 29.4274, 6.1219.



This preview shows how white text looks on a background with the XYZ color 18.9168, 29.4274,

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

18.9168, 29.4274, 6.1219

Protanopia

26.1725, 28.9555, 5.3719

Deuteranopia

29.4734, 28.8450, 6.4969



Tritanopia

25.7905, 29.4210, 39.9168

Trichromacy



Original Color

18.9168, 29.4274, 6.1219

Protanomaly

22.7809, 28.6270, 5.5532

Deuteranomaly

24.3166, 28.2099, 6.2613

Tritanomaly

21.9499, 28.8430, 21.2400

Monochromacy



Original Color

18.9168, 29.4274, 6.1219

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.3463, 24.0942, 14.4575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9168, 29.4274, 6.1219 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(101, 164, 33)` looks like.

```
.text, #text, p{  
    color:rgb(101, 164, 33)  
}
```

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(101, 164, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 164, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.9168, 29.4274, 6.1219 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(101, 164, 33) }
```


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

```
.border{ border-color:rgb(101, 164, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 164, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 164, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 164, 33);  
box-shadow:4px 4px 4px 4px rgb(101, 164,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9168, 29.4274, 6.1219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 164, 33) }
```

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

```
.background{ background-color: rgb(101,  
164, 33) }
```

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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