

Converting Colors

XYZ(18.8735, 29.1669, 4.9193)

Have a look what the booklet for
XYZ(18.8735, 29.1669, 4.9193)
contains.

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Color

**XYZ(18.8609, 29.1594,
4.9214)**

Conversions

Conversions Part 1

Format	Color
Hex	68A30A
RGB	104, 163, 10
RGB Percent	41%, 64%, 4%
CMY	0.5922, 0.3608, 0.9607
CMYK	0.36, 0.00, 0.94, 0.36
HSL	83°, 88%, 34%
HSV	83°, 94%, 64%
XYZ	18.8609, 29.1594, 4.9214
YIQ	127.9170, 13.9490, -60.0910

Conversions

Conversions Part 2

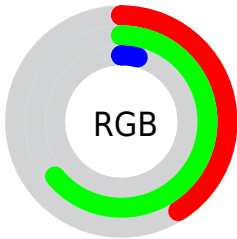
Format	Color
RYB	10, 163, 69
Decimal	6857482
CIELab	60.92, -39.92, 61.38
CIELCh	61, 73.222, 123.040
Yxy	29.1594, 0.3563, 0.5508
Android (android.graphics.Color)	4285047562 (0xFF68A30A)
YUV	127.9170, -58.1331, -20.9752
Hunter-Lab	53.9994, -32.1526, 32.3960

Details

The XYZ color **18.8609, 29.1594, 4.9214** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.1754, 4.1277, 34.9652**, and the grayscale version is **20.6821, 21.7592, 23.6958**.

A 20% lighter version of the original color is **40.9082, 58.1522, 16.0896**, and **6.8567, 11.9732, 1.9497** is the 20% darker color. If you saturate the color by 10%, you get **18.3686, 28.9129, 4.6126**, and if you desaturate by 10%, it is **19.7539, 29.6051, 5.6690**.

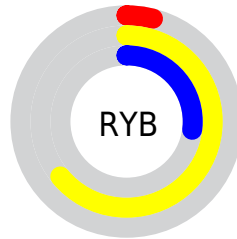
Distribution



Red (41%)

Green (64%)

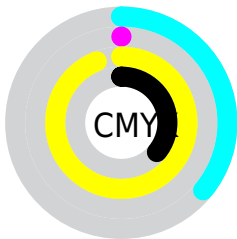
Blue (4%)



Red (4%)

Yellow (64%)

Blue (27%)

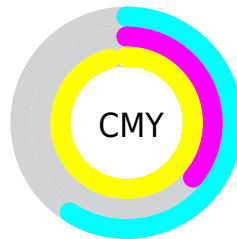


Cyan (36%)

Magenta (0%)

Yellow (94%)

Black (36%)



Cyan (59%)

Magenta (36%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8609, 29.1594, 4.9214 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 18.8609, 29.1594, 4.9214 by changing the saturation by 10% instead.

■ 18.8609, 29.1594,
4.9214

■ 18.8609, 29.1594,
4.9214

238.6327,
297.9663, 157.9740

■ 11.6732, 19.2014,
2.1433

■ 41.0176, 58.3302,
16.0845

■ 6.5922, 11.8159,
0.6414

■ 56.7174, 78.3119,
25.3065

■ 3.2524, 6.6185,
0.0000

■ 75.9852, 102.4036,
37.5136

■ 1.2886, 3.2247,
0.0000

■ 99.1864, 130.9897,
53.1243

■ 0.1747, 1.2501,
0.0000

■ 126.6864,
164.4547, 72.5572

■ 0.0000, 0.1021,
0.0000

■ 158.8505,

■ 0.0000, 0.0000,

203.1828, 96.2307

0.0000

196.0442,
247.5586, 124.5635

18.8609, 29.1594,
4.9214

18.8609, 29.1594,
4.9214

18.3686, 28.9129,
4.6126

19.7539, 29.6051,
5.6690

20.8057, 30.1197,
6.9657

22.0333, 30.7112,
8.8927

23.4507, 31.3852,
11.5173

25.0700, 32.1468,
14.8983

■ 26.9021, 33.0005,
19.0880

■ 28.9572, 33.9504,
24.1344

■ 31.2445, 35.0003,
30.0815

■ 33.7728, 36.1538,
36.9703

Harmonies

Analogous

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



26.7528, 29.1594, 2.8677



18.8609, 29.1594, 4.9214



14.3590, 29.1594, 13.3778

Triad

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



18.8609, 29.1594, 4.9214



20.1960, 29.1594, 105.4710



50.3921, 29.1594, 29.0419

Complementary

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



18.8609, 29.1594, 4.9214



9.1754, 4.1277, 34.9652

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.



47.5144, 29.1594, 62.0569



18.8609, 29.1594, 4.9214



28.7003, 29.1594, 118.5353

Square

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



18.8609, 29.1594, 4.9214



14.9963, 29.1594, 69.9178



38.9802, 29.1594, 99.3836



46.1333, 29.1594, 10.8427

Rectangle

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



18.8609, 29.1594, 4.9214



13.1921, 29.1594, 25.7939



38.9802, 29.1594, 99.3836



50.2292, 29.1594, 38.5581

Sweetspot

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



18.8616, 29.1607, 4.9220



50.0906, 59.9844, 38.8107



17.2672, 12.0234, 1.6982



10.9153, 13.3172, 7.9037



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.



18.8616, 29.1607, 4.9220



32.6653, 51.6597, 8.2497



13.6279, 26.4626, 4.6771



7.3836, 8.1002, 7.5544



14.3269, 22.4963, 3.5871



0.3514, 0.4987, 0.0777

Inverse Universe

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



9.1754, 4.1277, 34.9652



15.2870, 6.5130, 62.5075



18.4243, 8.8957, 35.3981



6.9467, 6.9869, 8.8855



6.7720, 2.8976, 27.1321



0.1941, 0.0876, 0.5725

Previews

White Background



This preview shows how the XYZ color 18.8609, 29.1594, 4.9214 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 18.8609, 29.1594, 4.9214 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 18.8609, 29.1594, 4.9214

Background



This preview shows how black text looks on a background with the XYZ color 18.8609, 29.1594, 4.9214.



This preview shows how white text looks on a background with the XYZ color 18.8609, 29.1594,

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

18.8609, 29.1594, 4.9214

Deuteranopia

29.2743, 28.7654, 5.4482

Tritanopia

25.8142, 29.2018, 39.3979

Trichromacy



Original Color

18.8609, 29.1594, 4.9214

Deuteranomaly

24.2829, 28.2186, 5.0866

Tritanomaly

21.6655, 28.5045, 18.5474

Monochromacy



Original Color

18.8609, 29.1594, 4.9214

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.7723, 23.6276, 12.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8609, 29.1594, 4.9214 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(104, 163, 10)` looks like.

```
.text, #text, p{  
    color:rgb(104, 163, 10)  
}
```

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(104, 163, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 163, 10) }
```

Border

The CSS property to change the border of an element to XYZ 18.8609, 29.1594, 4.9214 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(104, 163, 10) }
```

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

```
.border{ border-color:rgb(104, 163, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 163, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 163, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 163, 10);  
box-shadow:4px 4px 4px 4px rgb(104, 163,  
10) }
```


Background

The CSS property to change the background color of an element to XYZ 18.8609, 29.1594, 4.9214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 163, 10) }
```

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

```
.background{ background-color: rgb(104,  
163, 10) }
```

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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