

Converting Colors

XYZ(18.8950, 29.9578, 5.9490)

Have a look what the booklet for
XYZ(18.8950, 29.9578, 5.9490)
contains.

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Color

**XYZ(18.8950, 29.9578,
5.9490)**

Conversions

Conversions Part 1

Format	Color
Hex	62A61D
RGB	98, 166, 29
RGB Percent	38%, 65%, 11%
CMY	0.6157, 0.3490, 0.8862
CMYK	0.41, 0.00, 0.83, 0.35
HSL	90°, 70%, 38%
HSV	90°, 83%, 65%
XYZ	18.8950, 29.9578, 5.9490
YIQ	130.0500, 3.4490, -57.0230

Conversions

Conversions Part 2

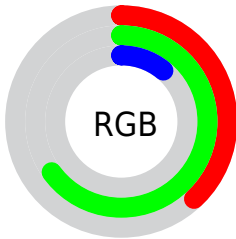
Format	Color
R_{YB}	29, 166, 97
Decimal	6465053
CIE _{Lab}	61.62, -42.75, 57.93
CIE _{LCh}	62, 71.996, 126.422
Yxy	29.9578, 0.3448, 0.5467
Android (android.graphics.Color)	4284655133 (0xFF62A61D)
YUV	130.0500, -49.8177, -28.1079
Hunter-Lab	54.7337, -34.1628, 31.8694

Details

The XYZ color **18.8950, 29.9578, 5.9490** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.2537, 6.1744, 36.6240**, and the grayscale version is **21.4067, 22.5215, 24.5259**.

A 20% lighter version of the original color is **41.1680, 59.8007, 18.3897**, and **6.7802, 12.2614, 2.0093** is the 20% darker color. If you saturate the color by 10%, you get **17.8988, 29.4629, 5.1046**, and if you desaturate by 10%, it is **20.0947, 30.5468, 7.3814**.

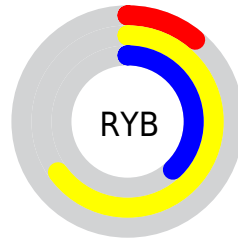
Distribution



Red (38%)

Green (65%)

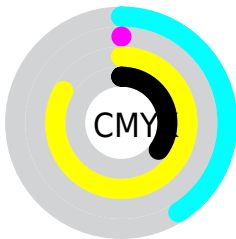
Blue (11%)



Red (11%)

Yellow (65%)

Blue (38%)

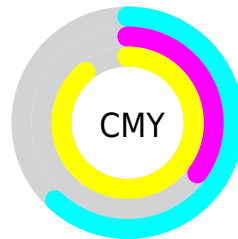


Cyan (41%)

Magenta (0%)

Yellow (83%)

Black (35%)



Cyan (62%)

Magenta (35%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8950, 29.9578, 5.9490 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 18.8950, 29.9578, 5.9490 by changing the saturation by 10% instead.

■ 18.8950, 29.9578,
5.9490

■ 18.8950, 29.9578,
5.9490

238.8177,
301.7077, 167.9054

■ 11.6980, 19.8066,
2.7458

■ 41.0748, 59.5954,
18.3008

■ 6.6091, 12.2545,
0.9664

■ 56.7884, 79.8506,
28.2865

■ 3.2630, 6.9173,
0.0000

■ 76.0715, 104.2426,
41.3700

■ 1.2943, 3.4104,
0.0000

■ 99.2895, 133.1557,
57.9700

■ 0.1790, 1.3496,
0.0000

■ 126.8078,
166.9744, 78.5051

■ 0.0000, 0.1791,
0.0000

■ 158.9917,

■ 0.0000, 0.0000,

206.0830, 103.3936

0.0000

196.2065,
250.8660, 133.0542

■ 18.8950, 29.9578,
5.9490

■ 18.8950, 29.9578,
5.9490

■ 17.8988, 29.4629,
5.1046

■ 20.0947, 30.5468,
7.3814

■ 17.2574, 29.1401,
4.7151

■ 21.5142, 31.2335,
9.4822

■ 23.1696, 32.0258,
12.3211

■ 25.0751, 32.9295,
15.9586

■ 27.2431, 33.9500,
20.4490

■ 29.6853, 35.0922,
25.8419

■ 32.4127, 36.3607,
32.1829

■ 35.4353, 37.7598,
39.5147

■ 38.7629, 39.2936,
47.8773

Harmonies

Analogous

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



26.4671, 29.9578, 3.2879



18.8950, 29.9578, 5.9490



14.7307, 29.9578, 15.7671

Triad

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



18.8950, 29.9578, 5.9490



21.7358, 29.9578, 108.5709



50.9258, 29.9578, 27.0780

Complementary

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



18.8950, 29.9578, 5.9490



12.2537, 6.1744, 36.6240

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.



48.8630, 29.9578, 58.5342



18.8950, 29.9578, 5.9490



30.5798, 29.9578, 117.8870

Square

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



18.8950, 29.9578, 5.9490



16.0958, 29.9578, 74.9230



40.8419, 29.9578, 95.9665



45.9749, 29.9578, 10.2829

Rectangle

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



18.8950, 29.9578, 5.9490



13.7857, 29.9578, 29.4423



40.8419, 29.9578, 95.9665



51.0430, 29.9578, 36.0163

Sweetspot

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



18.8957, 29.9591, 5.9497



52.5184, 63.0537, 43.8477



20.0607, 16.4206, 3.2751



11.4159, 13.9528, 9.0674



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.



18.8957, 29.9591, 5.9497



31.2198, 52.8316, 8.6143



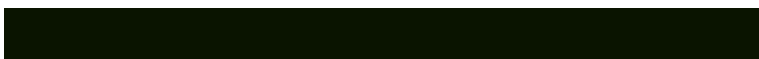
14.4326, 27.6583, 5.7408



7.7833, 8.5864, 8.0364



13.4357, 22.6236, 3.6587



0.3859, 0.5808, 0.0918

Inverse Universe

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



12.2537, 6.1744, 36.6240



18.7833, 8.2750, 66.0825



22.5750, 11.4952, 37.1070



7.4732, 7.4765, 9.4676



8.1167, 3.5677, 28.2363



0.2566, 0.1173, 0.6898

Previews

White Background



This preview shows how the XYZ color 18.8950, 29.9578, 5.9490 looks on a white background.

Color Contrast Check

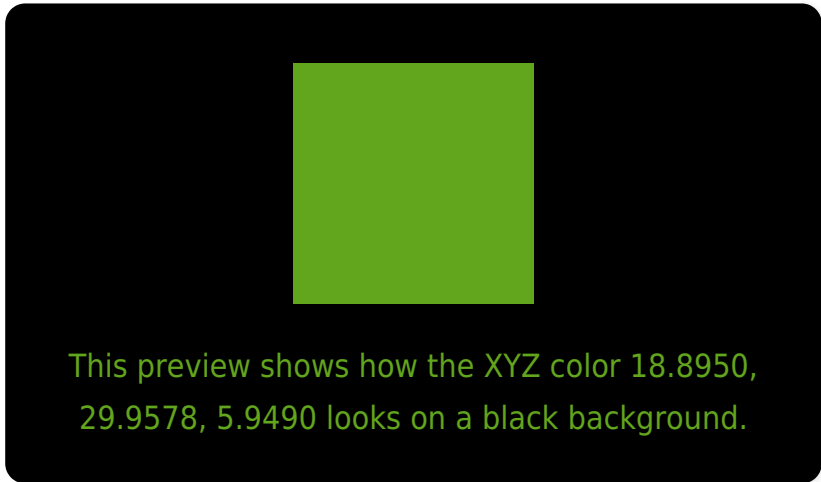
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 18.8950, 29.9578, 5.9490

Background



This preview shows how black text looks on a background with the XYZ color 18.8950, 29.9578, 5.9490.



This preview shows how white text looks on a background with the XYZ color 18.8950, 29.9578,

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

18.8950, 29.9578, 5.9490

Protanopia

26.6911, 29.4612, 5.1440

Deuteranopia

30.2106, 29.6633, 6.4188



Tritanopia

26.0325, 30.0146, 40.9806

Trichromacy



Original Color

18.8950, 29.9578, 5.9490

Protanomaly

23.0631, 29.2681, 5.4110

Deuteranomaly

24.5826, 28.8227, 6.1014

Tritanomaly

22.0394, 29.3956, 21.3419

Monochromacy



Original Color

18.8950, 29.9578, 5.9490

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.2695, 24.2868, 14.0281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8950, 29.9578, 5.9490 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(98, 166, 29)` looks like.

```
.text, #text, p{  
    color:rgb(98, 166, 29)  
}
```

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(98, 166, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 166, 29) }
```

Border

The CSS property to change the border of an element to XYZ 18.8950, 29.9578, 5.9490 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(98, 166, 29) }
```


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

```
.border{ border-color:rgb(98, 166, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 166, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 166, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 166, 29);  
box-shadow:4px 4px 4px 4px rgb(98, 166,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8950, 29.9578, 5.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 166, 29) }
```

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

```
.background{ background-color: rgb(98, 166,  
29) }
```

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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