

Converting Colors

XYZ(21.3605, 29.4068, 11.5658)

Have a look what the booklet for
XYZ(21.3605, 29.4068, 11.5658)
contains.

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Color

**XYZ(21.3816, 29.5290,
11.5939)**

Conversions

Conversions Part 1

Format	Color
Hex	76A04D
RGB	118, 160, 77
RGB Percent	46%, 63%, 30%
CMY	0.5373, 0.3725, 0.6980
CMYK	0.26, 0.00, 0.52, 0.37
HSL	90°, 35%, 46%
HSV	90°, 52%, 63%
XYZ	21.3816, 29.5290, 11.5939
YIQ	137.9800, 1.6110, -34.7170

Conversions

Conversions Part 2

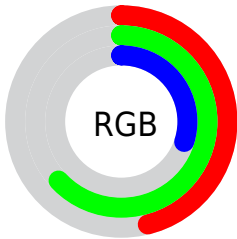
Format	Color
RYB	77, 160, 119
Decimal	7774285
CIELab	61.25, -28.86, 38.39
CIElCh	61, 48.028, 126.941
Yxy	29.5290, 0.3421, 0.4724
Android (android.graphics.Color)	4285964365 (0xFF76A04D)
YUV	137.9800, -30.0631, -17.5225
Hunter-Lab	54.3406, -24.8610, 25.3885

Details

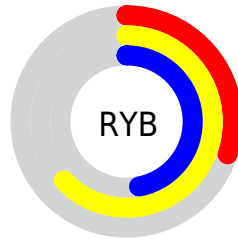
The XYZ color **21.3816, 29.5290, 11.5939** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.6080, 11.7686, 34.6556**, and the grayscale version is **24.2612, 25.5247, 27.7964**.

A 20% lighter version of the original color is **45.2100, 58.9300, 29.4139**, and **7.8189, 11.9672, 2.9964** is the 20% darker color. If you saturate the color by 10%, you get **19.8322, 28.7886, 8.9266**, and if you desaturate by 10%, it is **23.1659, 30.3762, 14.9988**.

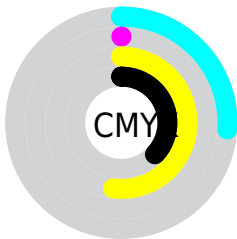
Distribution



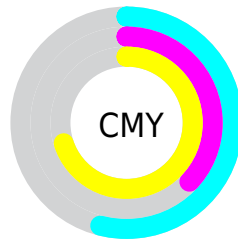
- Red (46%)
- Green (63%)
- Blue (30%)



- Red (30%)
- Yellow (63%)
- Blue (47%)



- Cyan (26%)
- Magenta (0%)
- Yellow (52%)
- Black (37%)



- Cyan (54%)
- Magenta (37%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3816, 29.5290, 11.5939 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 21.3816, 29.5290, 11.5939 by changing the saturation by 10% instead.

■ 21.3816, 29.5290,
11.5939

■ 21.3816, 29.5290,
11.5939

251.9931,
299.7028, 212.5795

■ 13.5173, 19.4814,
6.3486

■ 45.2083, 58.9165,
29.4065

■ 7.8651, 12.0186,
2.9860

■ 61.9013, 79.0252,
42.8110

■ 4.0599, 6.7564,
1.0875

■ 82.2680, 103.2563,
59.7722

■ 1.7361, 3.3102,
0.0000

■ 106.6736,
131.9943, 80.7088

■ 0.4787, 1.2957,
0.0000

■ 135.4836,
165.6236, 106.0393

■ 0.0000, 0.1379,
0.0000

169.0633,

■ 0.0000, 0.0000,

204.5285, 136.1823

0.0000

207.7780,
249.0934, 171.5561

■ 21.3816, 29.5290,
11.5939

■ 21.3816, 29.5290,
11.5939

■ 19.8322, 28.7886,
8.9266

■ 23.1659, 30.3762,
14.9988

■ 18.5027, 28.1458,
6.9403

■ 25.1944, 31.3314,
19.1885

■ 17.3795, 27.5959,
5.5730

■ 27.4787, 32.4002,
24.2087

■ 16.4462, 27.1320,
4.7510

■ 30.0287, 33.5870,
30.1010

■ 15.7986, 26.8065,
4.3415

■ 32.8539, 34.8958,
36.9041

■ 35.9630, 36.3303,
44.6544

■ 39.3647, 37.8941,
53.3864

■ 43.0669, 39.5908,
63.1328

■ 47.0775, 41.4236,
73.9247

Harmonies

Analogous

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



26.6242, 29.5290, 8.5086



21.3816, 29.5290, 11.5939



18.3089, 29.5290, 20.3615

Triad

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



21.3816, 29.5290, 11.5939



23.5729, 29.5290, 75.9507



41.9318, 29.5290, 28.1293

Complementary

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



21.3816, 29.5290, 11.5939



16.6080, 11.7686, 34.6556

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.



40.7904, 29.5290, 47.7915



21.3816, 29.5290, 11.5939



29.5598, 29.5290, 80.5168

Square

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



21.3816, 29.5290, 11.5939



19.4351, 29.5290, 57.9147



36.0168, 29.5290, 68.7366



38.9361, 29.5290, 15.4507

Rectangle

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



21.3816, 29.5290, 11.5939



17.6013, 29.5290, 30.3311



36.0168, 29.5290, 68.7366



42.0256, 29.5290, 34.0445

Sweetspot

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



21.3823, 29.5303, 11.5945



52.4074, 59.9991, 49.7087



22.3754, 21.0854, 9.9122



11.3004, 13.0687, 10.4559



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3823, 29.5303, 11.5945



35.6664, 52.1050, 15.6623



16.9718, 27.2566, 11.3881



6.8471, 7.5538, 7.0828



12.3570, 20.9070, 3.3842



0.2697, 0.3990, 0.0628

Inverse Universe

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



16.6080, 11.7686, 34.6556



26.0385, 16.2922, 62.1589



23.4974, 15.3202, 34.9780



6.5886, 6.5919, 8.3318



7.6351, 3.3650, 26.1543



0.1853, 0.0853, 0.4699

Previews

White Background



This preview shows how the XYZ color 21.3816, 29.5290, 11.5939 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 21.3816, 29.5290, 11.5939 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 21.3816, 29.5290, 11.5939

Background



This preview shows how black text looks on a background with the XYZ color 21.3816, 29.5290, 11.5939.



This preview shows how white text looks on a background with the XYZ color 21.3816, 29.5290,

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

21.3816, 29.5290, 11.5939

Protanopia

26.7406, 29.1350, 10.5176

Deuteranopia

29.7235, 29.0687, 12.0269



Tritanopia

26.8834, 29.5234, 38.9320

Trichromacy



Original Color

21.3816, 29.5290, 11.5939

Protanomaly

24.4969, 29.1539, 10.8147

Deuteranomaly

25.7863, 28.6147, 11.7535

Tritanomaly

24.3246, 29.2128, 26.1864

Monochromacy



Original Color

21.3816, 29.5290, 11.5939

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.7913, 26.6440, 20.4646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3816, 29.5290, 11.5939 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(118, 160, 77)` looks like.

```
.text, #text, p{  
    color:rgb(118, 160, 77)  
}
```

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(118, 160, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 160, 77) }
```

Border

The CSS property to change the border of an element to XYZ 21.3816, 29.5290, 11.5939 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(118, 160, 77) }
```


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

```
.border{ border-color:rgb(118, 160, 77) }
```

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

Here you see how a box with a 4 pixel rgb(118, 160, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 160, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 160, 77);  
box-shadow:4px 4px 4px 4px rgb(118, 160,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3816, 29.5290, 11.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 160, 77) }
```

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

```
.background{ background-color: rgb(118,  
160, 77) }
```

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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