

Converting Colors

XYZ(11.5518, 16.5548, 3.6276)

Have a look what the booklet for
XYZ(11.5518, 16.5548, 3.6276)
contains.

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Color

**XYZ(11.6219, 16.6681,
3.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7C1B
RGB	90, 124, 27
RGB Percent	35%, 49%, 11%
CMY	0.6471, 0.5137, 0.8941
CMYK	0.27, 0.00, 0.78, 0.51
HSL	81°, 64%, 30%
HSV	81°, 78%, 49%
XYZ	11.6219, 16.6681, 3.6416
YIQ	102.7760, 10.8730, -37.3750

Conversions

Conversions Part 2

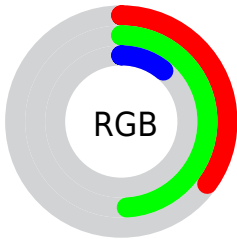
Format	Color
R_{YB}	27, 124, 61
Decimal	5930011
CIE Lab	47.84, -27.00, 45.63
CIE LCh	48, 53.019, 120.612
Yxy	16.6681, 0.3640, 0.5220
Android (android.graphics.Color)	4284120091 (0xFF5A7C1B)
YUV	102.7760, -37.3576, -11.2046
Hunter-Lab	40.8266, -20.6338, 23.2901

Details

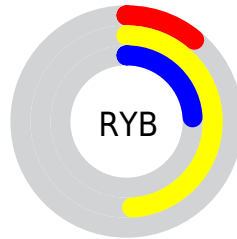
The XYZ color **11.6219, 16.6681, 3.6416** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.9552, 3.2316, 19.3797**, and the grayscale version is **12.9269, 13.6001, 14.8105**.

A 20% lighter version of the original color is **28.4611, 37.8484, 13.2026**, and **3.3911, 5.4833, 0.8796** is the 20% darker color. If you saturate the color by 10%, you get **11.0973, 16.4114, 3.0201**, and if you desaturate by 10%, it is **12.2327, 16.9633, 4.5842**.

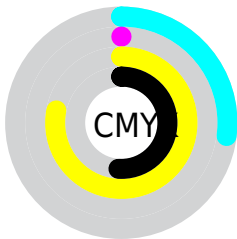
Distribution



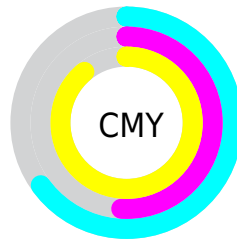
- Red (35%)
- Green (49%)
- Blue (11%)



- Red (11%)
- Yellow (49%)
- Blue (24%)



- Cyan (27%)
- Magenta (0%)
- Yellow (78%)
- Black (51%)



- Cyan (65%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6219, 16.6681, 3.6416 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 11.6219, 16.6681, 3.6416 by changing the saturation by 10% instead.

■ 11.6219, 16.6681,
3.6416

■ 11.6219, 16.6681,
3.6416

195.7073,
233.2524, 144.1543

■ 6.5571, 9.9981,
1.4309

■ 28.4274, 37.7542,
13.1744

■ 3.2306, 5.3977,
0.1656

■ 40.8989, 52.9392,
21.3335

■ 1.2768, 2.4825,
0.0000

■ 56.5700, 71.7313,
32.3125

■ 0.1658, 0.8678,
0.0000

■ 75.8061, 94.5149,
46.5298

■ 0.0000, 0.0000,
0.0000

■ 98.9725, 121.6744,
64.4042

■ 126.4346,

153.5943, 86.3540

158.5578,
190.6588, 112.7979

11.6219, 16.6681,
3.6416

11.6219, 16.6681,
3.6416

11.0973, 16.4114,
3.0201

12.2327, 16.9633,
4.5842

10.6397, 16.1837,
2.6263

12.9356, 17.2976,
5.8827

10.5615, 16.1448,
2.5596

13.7374, 17.6745,
7.5685

14.6437, 18.0962,
9.6693

15.6597, 18.5648,
12.2102

■ 16.7902, 19.0822,
15.2145

■ 18.0395, 19.6503,
18.7037

■ 19.4119, 20.2708,
22.6979

■ 20.9113, 20.9453,
27.2161

Harmonies

Analogous

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



15.7449, 16.6681, 2.5274



11.6219, 16.6681, 3.6416



9.1281, 16.6681, 8.0814

Triad

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



11.6219, 16.6681, 3.6416



11.7603, 16.6681, 51.9328



26.8770, 16.6681, 17.8700

Complementary

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



11.6219, 16.6681, 3.6416



5.9552, 3.2316, 19.3797

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.



25.2361, 16.6681, 34.3002



11.6219, 16.6681, 3.6416



15.9406, 16.6681, 59.0331

Square

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



11.6219, 16.6681, 3.6416



9.1960, 16.6681, 35.0475



20.9782, 16.6681, 51.3701



25.1029, 16.6681, 7.8017

Rectangle

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



11.6219, 16.6681, 3.6416



8.4164, 16.6681, 14.1981



20.9782, 16.6681, 51.3701



26.7037, 16.6681, 22.7716

Sweetspot

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



11.6223, 16.6688, 3.6420



28.4610, 33.0829, 23.8552



10.1767, 7.6970, 1.9864



6.5628, 7.7273, 5.2496



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.6223, 16.6688, 3.6420



18.8860, 28.5588, 4.7938



8.3426, 14.9781, 3.4885



4.1778, 4.5670, 4.2858



10.7333, 16.4105, 2.6018



50.2520, 77.7913, 12.3667

Inverse Universe

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



5.9552, 3.2316, 19.3797



8.5298, 3.8130, 33.8430



10.3929, 5.5193, 19.5874



3.9179, 3.9556, 5.0002



4.7287, 2.0105, 19.5241



21.7139, 9.1559, 93.0926

Previews

White Background



This preview shows how the XYZ color 11.6219, 16.6681, 3.6416 looks on a white 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

Black Background



This preview shows how the XYZ color 11.6219, 16.6681, 3.6416 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6219, 16.6681, 3.6416

Background



This preview shows how black text looks on a background with the XYZ color 11.6219, 16.6681, 3.6416.



This preview shows how white text looks on a background with the XYZ color 11.6219, 16.6681,

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

11.6219, 16.6681, 3.6416

Protanopia

14.8224, 16.3882, 3.2462

Deuteranopia

16.7164, 16.3875, 3.8722



Tritanopia

15.3139, 16.7382, 21.8257

Trichromacy



Original Color

11.6219, 16.6681, 3.6416

Protanomaly

13.4762, 16.3702, 3.3692

Deuteranomaly

14.3342, 16.1255, 3.7235

Tritanomaly

13.3298, 16.4563, 11.9250

Monochromacy



Original Color

11.6219, 16.6681, 3.6416

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.9914, 14.4735, 8.8183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6219, 16.6681, 3.6416 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(90, 124, 27)` looks like.

```
.text, #text, p{  
    color:rgb(90, 124, 27)  
}
```

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(90, 124, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 124, 27) }
```

Border

The CSS property to change the border of an element to XYZ 11.6219, 16.6681, 3.6416 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(90, 124, 27) }
```


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

```
.border{ border-color:rgb(90, 124, 27) }
```

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

Here you see how a box with a 4 pixel rgb(90, 124, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 124, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 124, 27);  
box-shadow:4px 4px 4px 4px rgb(90, 124,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6219, 16.6681, 3.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 124, 27) }
```

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

```
.background{ background-color: rgb(90, 124,  
27) }
```

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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