

Converting Colors

XYZ(11.1868, 18.4107, 4.9935)

Have a look what the booklet for
XYZ(11.1868, 18.4107, 4.9935)
contains.

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Color

**XYZ(11.1549, 18.3616,
4.9637)**

Conversions

Conversions Part 1

Format	Color
Hex	428628
RGB	66, 134, 40
RGB Percent	26%, 53%, 16%
CMY	0.7412, 0.4745, 0.8431
CMYK	0.51, 0.00, 0.70, 0.47
HSL	103°, 54%, 34%
HSV	103°, 70%, 53%
XYZ	11.1549, 18.3616, 4.9637
YIQ	102.9520, -10.3540, -43.6500

Conversions

Conversions Part 2

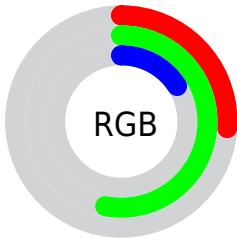
Format	Color
R_{YB}	40, 134, 108
Decimal	4359720
CIE Lab	49.93, -39.39, 42.23
CIE LCh	50, 57.747, 133.006
Yxy	18.3616, 0.3235, 0.5325
Android (android.graphics.Color)	4282549800 (0xFF428628)
YUV	102.9520, -31.0353, -32.4069
Hunter-Lab	42.8504, -28.5208, 23.1273

Details

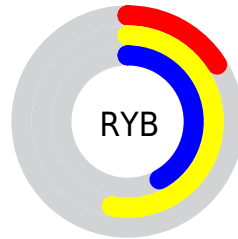
The XYZ color **11.1549, 18.3616, 4.9637** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.2470, 6.4275, 23.2030**, and the grayscale version is **12.9614, 13.6364, 14.8500**.

A 20% lighter version of the original color is **27.6173, 40.7148, 16.3007**, and **3.0933, 6.1865, 1.0311** is the 20% darker color. If you saturate the color by 10%, you get **10.3668, 17.9778, 3.9367**, and if you desaturate by 10%, it is **12.1337, 18.8357, 6.4131**.

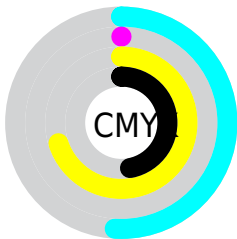
Distribution



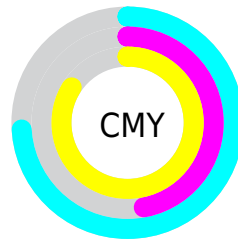
- Red (26%)
- Green (53%)
- Blue (16%)



- Red (16%)
- Yellow (53%)
- Blue (42%)



- Cyan (51%)
- Magenta (0%)
- Yellow (70%)
- Black (47%)



- Cyan (74%)
- Magenta (47%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1549, 18.3616, 4.9637 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 11.1549, 18.3616, 4.9637 by changing the saturation by 10% instead.

■ 11.1549, 18.3616,
4.9637

■ 11.1549, 18.3616,
4.9637

192.6136,
242.9014, 158.4004

■ 6.2392, 11.2099,
2.1676

■ 27.5767, 40.6525,
16.1776

■ 3.0331, 6.2082,
0.6556

■ 39.8134, 56.5605,
25.4324

■ 1.1713, 2.9721,
0.0000

■ 55.2212, 76.1561,
37.6772

■ 0.0835, 1.1172,
0.0000

■ 74.1655, 99.8237,
53.3306

■ 0.0000, 0.0000,
0.0000

■ 97.0115, 127.9476,
72.8111

■ 124.1246,

160.9122, 96.5372

155.8702,
199.1020, 124.9274

■ 11.1549, 18.3616,
4.9637

■ 11.1549, 18.3616,
4.9637

■ 10.3668, 17.9778,
3.9367

■ 12.1337, 18.8357,
6.4131

■ 9.7539, 17.6756,
3.2853

■ 13.3144, 19.4033,
8.3228

■ 9.2906, 17.4453,
2.8776

■ 14.7089, 20.0704,
10.7277

■ 16.3277, 20.8417,
13.6591

■ 18.1804, 21.7216,
17.1456

■ 20.2763, 22.7142,
21.2139

■ 22.6240, 23.8234,
25.8889

■ 25.2318, 25.0531,
31.1941

■ 28.1073, 26.4066,
37.1516

Harmonies

Analogous

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



15.1656, 18.3616, 2.5753



11.1549, 18.3616, 4.9637



9.1269, 18.3616, 12.3443

Triad

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



11.1549, 18.3616, 4.9637



14.5238, 18.3616, 65.5797



30.0058, 18.3616, 13.8895

Complementary

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



11.1549, 18.3616, 4.9637



11.2470, 6.4275, 23.2030

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.



29.7317, 18.3616, 30.2853



11.1549, 18.3616, 4.9637



19.9577, 18.3616, 66.7985

Square

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



11.1549, 18.3616, 4.9637



10.7710, 18.3616, 48.8075



25.7609, 18.3616, 51.5762



26.4455, 18.3616, 5.5797

Rectangle

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



11.1549, 18.3616, 4.9637



8.8380, 18.3616, 21.6335



25.7609, 18.3616, 51.5762



30.3781, 18.3616, 18.4369

Sweetspot

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



11.1553, 18.3624, 4.9641



31.5776, 38.0549, 29.3427



15.5112, 15.8143, 4.2427



6.9388, 8.4902, 6.2779



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.1553, 18.3624, 4.9641



17.6129, 31.3534, 6.2061



10.2260, 17.8322, 7.2294



4.7283, 5.2625, 4.9959



8.7158, 16.3531, 2.6971



0.0365, 0.0599, 0.0096

Inverse Universe

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



11.2470, 6.4275, 23.2030



17.6818, 8.8470, 40.5141



13.6074, 7.7930, 16.5982



4.7357, 4.6998, 5.8583



8.6570, 3.9970, 21.4519



0.0371, 0.0175, 0.0746

Previews

White Background



This preview shows how the XYZ color 11.1549, 18.3616, 4.9637 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

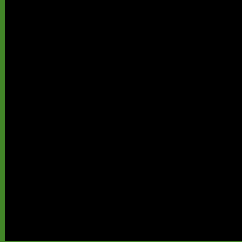
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.1549, 18.3616, 4.9637

Background



This preview shows how black text looks on a background with the XYZ color 11.1549, 18.3616, 4.9637.



This preview shows how white text looks on a background with the XYZ color 11.1549, 18.3616,

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

11.1549, 18.3616, 4.9637

Protanopia

16.3126, 17.9898, 4.2817

Deuteranopia

18.3603, 18.0048, 5.3039



Tritanopia

15.2741, 18.2555, 25.6403

Trichromacy



Original Color

11.1549, 18.3616, 4.9637

Protanomaly

13.7259, 17.7370, 4.4504

Deuteranomaly

14.6613, 17.4740, 5.0827

Tritanomaly

13.0800, 17.9362, 14.8292

Monochromacy



Original Color

11.1549, 18.3616, 4.9637

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.6817, 14.7875, 9.8280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1549, 18.3616, 4.9637 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(66, 134, 40)` looks like.

```
.text, #text, p{  
    color:rgb(66, 134, 40)  
}
```

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(66, 134, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 134, 40) }
```

Border

The CSS property to change the border of an element to XYZ 11.1549, 18.3616, 4.9637 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(66, 134, 40) }
```


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

```
.border{ border-color:rgb(66, 134, 40) }
```

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

Here you see how a box with a 4 pixel rgb(66, 134, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 134, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 134, 40);  
box-shadow:4px 4px 4px 4px rgb(66, 134,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1549, 18.3616, 4.9637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 134, 40) }
```

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

```
.background{ background-color: rgb(66, 134,  
40) }
```

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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