

Converting Colors

XYZ(11.3977, 18.2413, 3.1486)

Have a look what the booklet for
XYZ(11.3977, 18.2413, 3.1486)
contains.

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Color

**XYZ(11.4919, 18.3704,
3.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8508
RGB	77, 133, 8
RGB Percent	30%, 52%, 3%
CMY	0.6980, 0.4784, 0.9686
CMYK	0.42, 0.00, 0.94, 0.48
HSL	87°, 89%, 28%
HSV	87°, 94%, 52%
XYZ	11.4919, 18.3704, 3.1699
YIQ	102.0060, 6.7490, -50.7470

Conversions

Conversions Part 2

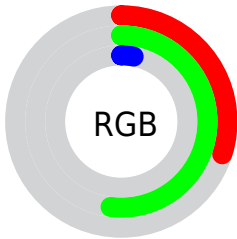
Format	Color
R_{YB}	8, 133, 64
Decimal	5080328
CIE Lab	49.94, -36.99, 52.17
CIE LCh	50, 63.953, 125.341
Yxy	18.3704, 0.3479, 0.5561
Android (android.graphics.Color)	4283270408 (0xFF4D8508)
YUV	102.0060, -46.3450, -21.9303
Hunter-Lab	42.8607, -27.1464, 25.6175

Details

The XYZ color **11.4919, 18.3704, 3.1699** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.4361, 2.9579, 22.4231**, and the grayscale version is **12.7477, 13.4116, 14.6052**.

A 20% lighter version of the original color is **28.2046, 40.7956, 12.0180**, and **3.4025, 6.3459, 1.0456** is the 20% darker color. If you saturate the color by 10%, you get **11.1668, 18.2084, 2.9260**, and if you desaturate by 10%, it is **12.0898, 18.6683, 3.6908**.

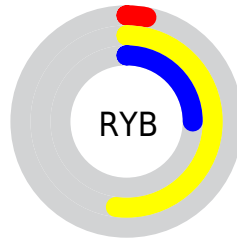
Distribution



Red (30%)

Green (52%)

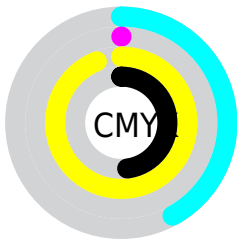
Blue (3%)



Red (3%)

Yellow (52%)

Blue (25%)

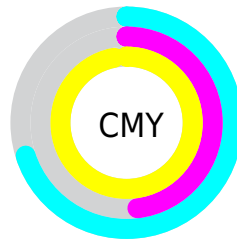


Cyan (42%)

Magenta (0%)

Yellow (94%)

Black (48%)



Cyan (70%)

Magenta (48%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4919, 18.3704, 3.1699 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 11.4919, 18.3704, 3.1699 by changing the saturation by 10% instead.

■ 11.4919, 18.3704,
3.1699

■ 11.4919, 18.3704,
3.1699

194.8513,
242.9506, 138.4960

■ 6.4684, 11.2162,
1.1820

■ 28.1912, 40.6675,
12.0449

■ 3.1753, 6.2125,
0.0000

■ 40.5978, 56.5792,
19.7691

■ 1.2471, 2.9747,
0.0000

■ 56.1961, 76.1789,
30.2424

■ 0.1431, 1.1185,
0.0000


■ 75.3515, 99.8509,
43.8835


■ 0.0000, 0.0000,
0.0000


■ 98.4294, 127.9797,
61.1109


■ 125.7951,


160.9496, 82.3431


 157.8139,
199.1451, 107.9986


 11.4919, 18.3704,
3.1699


 11.4919, 18.3704,
3.1699


 11.1668, 18.2084,
2.9260

 12.0898, 18.6683,
3.6908

 12.7975, 19.0147,
4.5557

 13.6262, 19.4149,
5.8159

 14.5845, 19.8724,
7.5118

 15.6801, 20.3904,
9.6786

■ 16.9202, 20.9718,
12.3479

■ 18.3110, 21.6194,
15.5486

■ 19.8586, 22.3357,
19.3075

■ 21.5686, 23.1229,
23.6494

Harmonies

Analogous

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



16.3863, 18.3704, 1.7032



11.4919, 18.3704, 3.1699



8.7904, 18.3704, 8.9660

Triad

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



11.4919, 18.3704, 3.1699



12.9904, 18.3704, 69.0314



32.0203, 18.3704, 17.0220

Complementary

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



11.4919, 18.3704, 3.1699



6.4361, 2.9579, 22.4231

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.



30.5110, 18.3704, 37.6484



11.4919, 18.3704, 3.1699



18.5807, 18.3704, 75.9451

Square

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



11.4919, 18.3704, 3.1699



9.5031, 18.3704, 46.5685



25.2037, 18.3704, 62.1020



28.9470, 18.3704, 6.1415

Rectangle

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



11.4919, 18.3704, 3.1699



8.1510, 18.3704, 17.3839



25.2037, 18.3704, 62.1020



32.0386, 18.3704, 22.8711

Sweetspot

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



11.4923, 18.3712, 3.1703



31.5951, 38.1589, 25.0513



11.4493, 8.4685, 1.2612



6.9131, 8.5013, 5.1766



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.



11.4923, 18.3712, 3.1703



19.8135, 32.5117, 5.2311



8.6514, 16.9067, 3.0373



4.8437, 5.3220, 5.0013



10.6454, 17.3479, 2.7874



0.0453, 0.0644, 0.0101

Inverse Universe

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



6.4361, 2.9579, 22.4231



10.6984, 4.6394, 40.0700



12.7302, 6.2026, 22.7177



4.6179, 4.6391, 5.8528



5.7933, 2.5207, 21.3179



0.0283, 0.0130, 0.0742

Previews

White Background



This preview shows how the XYZ color 11.4919, 18.3704, 3.1699 looks on a white background.

Color Contrast Check

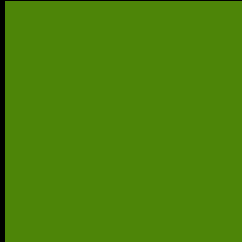
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4919, 18.3704, 3.1699 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 11.4919, 18.3704, 3.1699

Background



This preview shows how black text looks on a background with the XYZ color 11.4919, 18.3704, 3.1699.



This preview shows how white text looks on a background with the XYZ color 11.4919, 18.3704,

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

11.4919, 18.3704, 3.1699

Protanopia

16.4283, 18.2620, 2.6590

Deuteranopia

18.3864, 18.0570, 3.5532



Tritanopia

15.9244, 18.4118, 25.2688

Trichromacy



Original Color

11.4919, 18.3704, 3.1699

Protanomaly

14.0341, 17.9326, 2.8078

Deuteranomaly

15.0111, 17.6944, 3.2860

Tritanomaly

13.2813, 17.9096, 11.9894

Monochromacy



Original Color

11.4919, 18.3704, 3.1699

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.4627, 14.5548, 7.6740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4919, 18.3704, 3.1699 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(77, 133, 8)` looks like.

```
.text, #text, p{  
    color:rgb(77, 133, 8)  
}
```

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(77, 133, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 133, 8) }
```

Border

The CSS property to change the border of an element to XYZ 11.4919, 18.3704, 3.1699 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(77, 133, 8) }
```


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

```
.border{ border-color:rgb(77, 133, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 133, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 133, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 133, 8);  
box-shadow:4px 4px 4px 4px rgb(77, 133, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.4919, 18.3704, 3.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 133, 8) }
```

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

```
.background{ background-color: rgb(77, 133,  
8) }
```

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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