

Converting Colors

XYZ(37.1176, 49.4349, 8.4346)

Have a look what the booklet for
XYZ(37.1176, 49.4349, 8.4346)
contains.

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Color

**XYZ(37.1659, 49.4588,
8.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC718
RGB	170, 199, 24
RGB Percent	67%, 78%, 9%
CMY	0.3333, 0.2196, 0.9058
CMYK	0.15, 0.00, 0.88, 0.22
HSL	70°, 78%, 44%
HSV	70°, 88%, 78%
XYZ	37.1659, 49.4588, 8.4518
YIQ	170.3790, 38.8910, -60.5730

Conversions

Conversions Part 2

Format	Color
R _Y B	24, 199, 53
Decimal	11192088
CIE Lab	75.74, -29.79, 72.85
CIE LCh	76, 78.704, 112.238
Yxy	49.4588, 0.3909, 0.5202
Android (android.graphics.Color)	4289382168 (0xFFAAC718)
YUV	170.3790, -72.1648, -0.3324
Hunter-Lab	70.3270, -28.7397, 42.1035

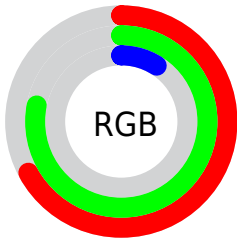
Details

The XYZ color **37.1659, 49.4588, 8.4518** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **12.1053, 5.5348, 54.4660**, and the grayscale version is **38.7353, 40.7526, 44.3796**.

A 20% lighter version of the original color is **69.9614, 88.9333, 23.3760**, and **16.9355, 23.7615, 3.6938** is the 20% darker color. If you saturate the color by 10%, you get **36.3204, 49.0410, 7.6696**, and if you desaturate by 10%, it is **38.1771, 49.9485, 10.0031**.

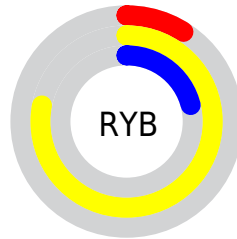
Distribution



Red (67%)

Green (78%)

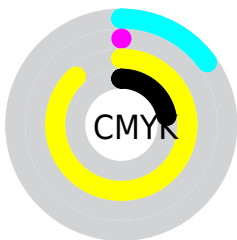
Blue (9%)



Red (9%)

Yellow (78%)

Blue (21%)

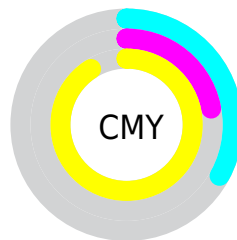


Cyan (15%)

Magenta (0%)

Yellow (88%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1659, 49.4588, 8.4518 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 37.1659, 49.4588, 8.4518 by changing the saturation by 10% instead.


 37.1659, 49.4588,
8.4518


 37.1659, 49.4588,
8.4518


325.3713,
384.5457, 189.2989

 25.5102, 34.9836,
4.2935


 70.1400, 89.3725,
23.4001

 16.5884, 23.6502,
1.7877


 92.1892, 115.5797,
35.0272


 10.0349, 15.0744,
0.4198


 118.4336,
146.4665, 49.9810

 5.4846, 8.8716,
0.0000

 149.2386,
182.4170, 68.6800

 2.5719, 4.6575,
0.0000

 184.9695,
223.8158, 91.5427

 0.9317, 2.0478,
0.0000

 225.9917,

 0.0000, 0.6350,

271.0473, 118.9878

0.0000

272.6705,
324.4958, 151.4337

■ 0.0000, 0.0000,
0.0000

■ 37.1659, 49.4588,
8.4518

■ 37.1659, 49.4588,
8.4518

■ 36.3204, 49.0410,
7.6696

■ 38.1771, 49.9485,
10.0031

■ 36.1546, 48.9582,
7.5443

■ 39.3844, 50.5169,
12.4976

■ 40.8116, 51.1754,
16.0556

■ 42.4782, 51.9317,
20.7791

■ 44.4015, 52.7929,
26.7580

■ 46.5969, 53.7650,
34.0734

■ 49.0787, 54.8539,
42.7998

■ 51.8602, 56.0647,
53.0058

■ 54.9536, 57.4026,
64.7560

Harmonies

Analogous

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



50.9031, 49.4588, 7.0163



37.1659, 49.4588, 8.4518



28.1265, 49.4588, 18.0997

Triad

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



37.1659, 49.4588, 8.4518



31.8294, 49.4588, 145.6867



80.6682, 49.4588, 65.4560

Complementary

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



37.1659, 49.4588, 8.4518



12.1053, 5.5348, 54.4660

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.



72.8756, 49.4588, 119.6085



37.1659, 49.4588, 8.4518



43.3189, 49.4588, 179.2356

Square

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



37.1659, 49.4588, 8.4518



25.5195, 49.4588, 90.3659



58.4528, 49.4588, 167.8003



78.0726, 49.4588, 28.7976

Rectangle

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



37.1659, 49.4588, 8.4518



25.0238, 49.4588, 32.8621



58.4528, 49.4588, 167.8003



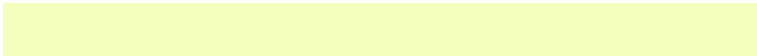
79.1289, 49.4588, 82.2882

Sweetspot

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



37.1670, 49.4610, 8.4528



82.2248, 94.4161, 61.8640



24.8712, 14.5123, 2.3551



17.2925, 20.0736, 12.1903



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.1670, 49.4610, 8.4528



63.1235, 85.6264, 13.2006



24.3594, 42.8585, 7.8534



11.3447, 12.3246, 11.3437



23.3104, 31.5123, 4.8539



1.1509, 1.5164, 0.2320

Inverse Universe

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



12.1053, 5.5348, 54.4660



19.0158, 7.7179, 95.0952



21.0773, 10.1601, 54.8859



10.2178, 10.3705, 13.3807



7.0821, 2.8852, 34.9280



0.3879, 0.1637, 1.6563

Previews

White Background



This preview shows how the XYZ color 37.1659, 49.4588, 8.4518 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.1659, 49.4588, 8.4518 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 ✓ Pass

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

XYZ 37.1659, 49.4588, 8.4518

Background



This preview shows how black text looks on a background with the XYZ color 37.1659, 49.4588, 8.4518.



This preview shows how white text looks on a background with the XYZ color 37.1659, 49.4588,

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

37.1659, 49.4588, 8.4518

Protanopia

44.4749, 49.2928, 7.8322

Deuteranopia

50.0541, 49.0968, 8.9363



Tritanopia

47.7819, 49.1823, 61.6183

Trichromacy



Original Color

37.1659, 49.4588, 8.4518

Protanomaly

41.2718, 48.9178, 7.9763

Deuteranomaly

44.5163, 48.6682, 8.6377

Tritanomaly

41.6798, 48.3078, 30.4201

Monochromacy



Original Color

37.1659, 49.4588, 8.4518

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.3123, 42.8781, 23.1921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1659, 49.4588, 8.4518 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(170, 199, 24)` looks like.

```
.text, #text, p{  
    color:rgb(170, 199, 24)  
}
```

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(170, 199, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 199, 24) }
```

Border

The CSS property to change the border of an element to XYZ 37.1659, 49.4588, 8.4518 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(170, 199, 24) }
```


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

```
.border{ border-color:rgb(170, 199, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 199, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 199, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 199, 24);  
box-shadow:4px 4px 4px 4px rgb(170, 199,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1659, 49.4588, 8.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 199, 24) }
```

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

```
.background{ background-color: rgb(170,  
199, 24) }
```

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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