

Converting Colors

XYZ(38.1392, 49.7044, 18.5231)

Have a look what the booklet for
XYZ(38.1392, 49.7044, 18.5231)
contains.

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Color

**XYZ(38.2149, 49.7801,
18.4208)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C75F
RGB	166, 199, 95
RGB Percent	65%, 78%, 37%
CMY	0.3490, 0.2196, 0.6274
CMYK	0.17, 0.00, 0.52, 0.22
HSL	79°, 48%, 58%
HSV	79°, 52%, 78%
XYZ	38.2149, 49.7801, 18.4208
YIQ	177.2770, 13.7160, -39.3400

Conversions

Conversions Part 2

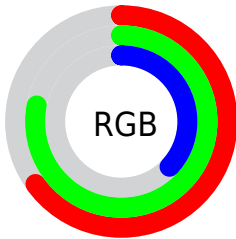
Format	Color
RYB	95, 199, 128
Decimal	10930015
CIELab	75.93, -27.23, 47.89
CIELCh	76, 55.093, 119.623
Yxy	49.7801, 0.3591, 0.4678
Android (android.graphics.Color)	4289120095 (0xFFA6C75F)
YUV	177.2770, -40.5626, -9.8899
Hunter-Lab	70.5550, -26.7898, 33.9088

Details

The XYZ color **38.2149, 49.7801, 18.4208** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **23.3050, 16.8984, 56.0692**, and the grayscale version is **42.1384, 44.3329, 48.2785**.

A 20% lighter version of the original color is **71.5367, 89.3461, 41.4921**, and **17.2435, 23.8700, 5.9840** is the 20% darker color. If you saturate the color by 10%, you get **36.1323, 48.7996, 14.1899**, and if you desaturate by 10%, it is **40.5960, 50.8910, 23.8738**.

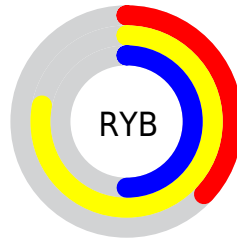
Distribution



Red (65%)

Green (78%)

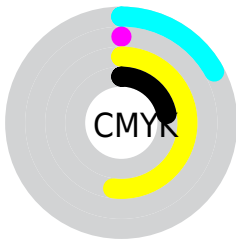
Blue (37%)



Red (37%)

Yellow (78%)

Blue (50%)

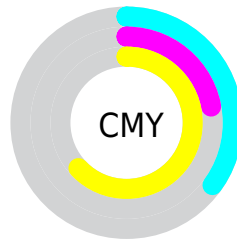


Cyan (17%)

Magenta (0%)

Yellow (52%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2149, 49.7801, 18.4208 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 38.2149, 49.7801, 18.4208 by changing the saturation by 10% instead.

■ 38.2149, 49.7801,
18.4208

■ 38.2149, 49.7801,
18.4208

329.8059,
385.8054, 255.5476

■ 26.3275, 35.2387,
11.0800

■ 71.7392, 89.8490,
41.5766

■ 17.2028, 23.8468,
6.0058

■ 94.1068, 116.1452,
58.2287

■ 10.4754, 15.2200,
2.7798

■ 120.6985,
147.1286, 78.8216

■ 5.7799, 8.9739,
0.9833

■ 151.8796,
183.1834, 103.7739

■ 2.7511, 4.7242,
0.0000

188.0156,
224.6941, 133.5041

■ 1.0236, 2.0864,
0.0000

229.4717,

■ 0.0000, 0.6569,

272.0451, 168.4308

0.0000

276.6133,
325.6207, 208.9724

■ 0.0000, 0.0000,
0.0000

■ 38.2149, 49.7801,
18.4208

■ 38.2149, 49.7801,
18.4208

■ 36.1323, 48.7996,
14.1899

■ 40.5960, 50.8910,
23.8738

■ 34.3257, 47.9351,
11.0831

■ 43.2891, 52.1326,
30.6303

■ 32.7747, 47.1802,
8.9929

■ 46.3107, 53.5133,
38.7685

■ 31.4537, 46.5245,
7.7894

■ 49.6753, 55.0390,
48.3595

■ 30.5537, 46.0708,
7.2822

■ 53.3963, 56.7152,
59.4697

■ 57.4863, 58.5470,
72.1611

■ 61.9573, 60.5393,
86.4924

■ 66.8207, 62.6967,
102.5193

■ 68.8561, 63.7313,
103.2800

Harmonies

Analogous

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



47.4444, 49.7801, 15.0529



38.2149, 49.7801, 18.4208



32.2497, 49.7801, 30.3508

Triad

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



38.2149, 49.7801, 18.4208



38.0202, 49.7801, 119.0435



69.9192, 49.7801, 54.5747

Complementary

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



38.2149, 49.7801, 18.4208



23.3050, 16.8984, 56.0692

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.



66.4635, 49.7801, 88.1002



38.2149, 49.7801, 18.4208



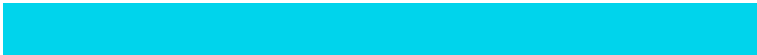
47.1848, 49.7801, 132.6382

Square

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



38.2149, 49.7801, 18.4208



32.1492, 49.7801, 87.2129



57.7548, 49.7801, 119.6728



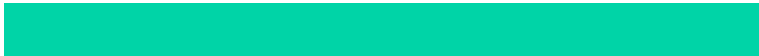
66.6265, 49.7801, 30.7904

Rectangle

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



38.2149, 49.7801, 18.4208



30.4365, 49.7801, 44.6459



57.7548, 49.7801, 119.6728



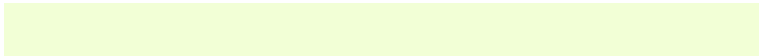
69.5019, 49.7801, 65.0329

Sweetspot

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



38.2161, 49.7823, 18.4219



84.5591, 95.2718, 77.6849



33.3311, 28.3909, 14.5504



17.8358, 20.2727, 15.8774



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.



38.2161, 49.7823, 18.4219



62.7030, 85.1744, 23.8077



29.4387, 45.2574, 18.0111



11.1839, 12.2417, 11.3362



19.7399, 29.6716, 4.6868



1.0074, 1.4424, 0.2253

Inverse Universe

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



23.3050, 16.8984, 56.0692



33.8195, 21.3377, 96.9439



33.2097, 22.0045, 56.5327



10.3682, 10.4481, 13.3877



8.0342, 3.3760, 34.9726



0.4563, 0.1990, 1.6595

Previews

White Background



This preview shows how the XYZ color 38.2149, 49.7801, 18.4208 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 38.2149, 49.7801, 18.4208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

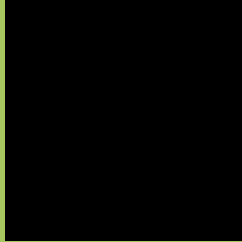
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2149, 49.7801, 18.4208

Background



This preview shows how black text looks on a background with the XYZ color 38.2149, 49.7801, 18.4208.



This preview shows how white text looks on a background with the XYZ color 38.2149, 49.7801,

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

38.2149, 49.7801, 18.4208

Protanopia

45.3908, 49.5614, 17.0715

Deuteranopia

50.5337, 49.4189, 18.9320



Tritanopia

47.0214, 49.3886, 62.9318

Trichromacy



Original Color

38.2149, 49.7801, 18.4208

Protanomaly

42.3008, 49.2408, 17.4001

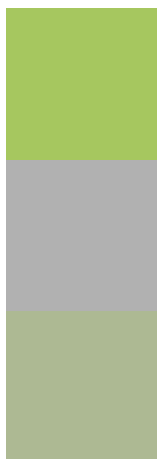
Deuteranomaly

45.2171, 49.1215, 18.6535

Tritanomaly

42.6972, 48.9046, 41.8395

Monochromacy



Original Color

38.2149, 49.7801, 18.4208

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.8490, 45.6887, 34.3223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2149, 49.7801, 18.4208 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(166, 199, 95)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 95)  
}
```

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(166, 199, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 95) }
```

Border

The CSS property to change the border of an element to XYZ 38.2149, 49.7801, 18.4208 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(166, 199, 95) }
```


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

```
.border{ border-color:rgb(166, 199, 95) }
```

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

Here you see how a box with a 4 pixel rgb(166, 199, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 95);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2149, 49.7801, 18.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 95) }
```

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

```
.background{ background-color: rgb(166,  
199, 95) }
```

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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