

Converting Colors

XYZ(38.0993, 49.7114, 18.8972)

Have a look what the booklet for
XYZ(38.0993, 49.7114, 18.8972)
contains.

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Color

**XYZ(38.0981, 49.7092,
18.8961)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C761
RGB	165, 199, 97
RGB Percent	65%, 78%, 38%
CMY	0.3529, 0.2196, 0.6196
CMYK	0.17, 0.00, 0.51, 0.22
HSL	80°, 48%, 58%
HSV	80°, 51%, 78%
XYZ	38.0981, 49.7092, 18.8961
YIQ	177.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

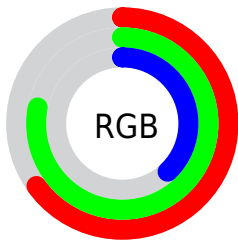
Format	Color
RYB	97, 199, 131
Decimal	10864481
CIELab	75.89, -27.42, 46.87
CIELCh	76, 54.305, 120.327
Yxy	49.7092, 0.3570, 0.4659
Android (android.graphics.Color)	4289054561 (0xFFA5C761)
YUV	177.2060, -39.5416, -10.7047
Hunter-Lab	70.5048, -26.9287, 33.4629

Details

The XYZ color **38.0981, 49.7092, 18.8961** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.9455, 17.4995, 56.1513**, and the grayscale version is **42.0962, 44.2884, 48.2301**.

A 20% lighter version of the original color is **71.3892, 89.2516, 42.3188**, and **17.1741, 23.8276, 6.2788** is the 20% darker color. If you saturate the color by 10%, you get **35.9402, 48.6925, 14.5445**, and if you desaturate by 10%, it is **40.5627, 50.8604, 24.4790**.

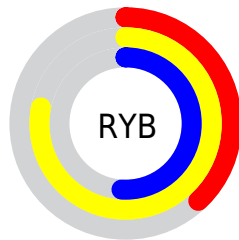
Distribution



Red (65%)

Green (78%)

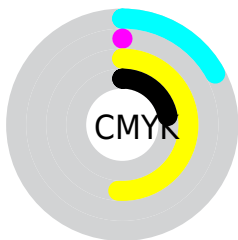
Blue (38%)



Red (38%)

Yellow (78%)

Blue (51%)

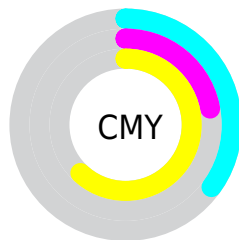


Cyan (17%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0981, 49.7092, 18.8961 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 38.0981, 49.7092, 18.8961 by changing the saturation by 10% instead.

■ 38.0981, 49.7092,
18.8961

■ 38.0981, 49.7092,
18.8961

329.3142,
385.5276, 258.2782

■ 26.2364, 35.1824,
11.4192

■ 71.5614, 89.7439,
42.3928

■ 17.1342, 23.8034,
6.2318

■ 93.8937, 116.0205,
59.2497

■ 10.4261, 15.1879,
2.9155

■ 120.4469,
146.9826, 80.0703

■ 5.7468, 8.9513,
1.0516

■ 151.5864,
183.0144, 105.2732

■ 2.7309, 4.7095,
0.0000

187.6775,
224.5004, 135.2768

■ 1.0131, 2.0778,
0.0000

229.0856,

■ 0.0000, 0.6521,

271.8251, 170.4999

0.0000

276.1761,
325.3727, 211.3608

■ 0.0000, 0.0000,
0.0000

■ 38.0981, 49.7092,
18.8961

■ 38.0981, 49.7092,
18.8961

■ 35.9402, 48.6925,
14.5445

■ 40.5627, 50.8604,
24.4790

■ 34.0667, 47.7959,
11.3274

■ 43.3475, 52.1463,
31.3737

■ 32.4573, 47.0130,
9.1389

■ 46.4692, 53.5754,
39.6579

■ 31.0868, 46.3335,
7.8517

■ 49.9421, 55.1537,
49.4022

■ 30.0440, 45.8080,
7.2583

■ 53.7798, 56.8866,
60.6722

■ 57.9949, 58.7794,
73.5299

■ 62.5995, 60.8369,
88.0335

■ 67.4101, 62.9859,
103.2123

■ 69.4350, 64.0297,
103.3071

Harmonies

Analogous

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



47.1363, 49.7092, 15.3663



38.0981, 49.7092, 18.8961



32.2936, 49.7092, 30.9830

Triad

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



38.0981, 49.7092, 18.8961



38.2647, 49.7092, 118.3141



69.4665, 49.7092, 53.8080

Complementary

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



38.0981, 49.7092, 18.8961



23.9455, 17.4995, 56.1513

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.



66.2236, 49.7092, 86.6174



38.0981, 49.7092, 18.8961



47.3581, 49.7092, 131.0363

Square

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



38.0981, 49.7092, 18.8961



32.3796, 49.7092, 87.3720



57.7548, 49.7092, 117.7801



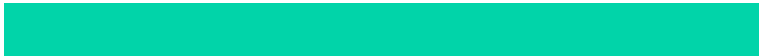
66.0848, 49.7092, 30.6054

Rectangle

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



38.0981, 49.7092, 18.8961



30.5624, 49.7092, 45.3013



57.7548, 49.7092, 117.7801



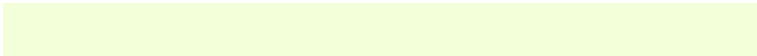
69.1103, 49.7092, 64.0256

Sweetspot

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



38.0993, 49.7114, 18.8972



84.9552, 95.4380, 79.4190



33.8290, 29.2394, 15.1707



17.9056, 20.3012, 16.2184



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.



38.0993, 49.7114, 18.8972



62.3496, 84.9787, 24.4012



29.5221, 45.2897, 18.4958



11.1671, 12.2331, 11.3354



19.4140, 29.5036, 4.6715



0.9938, 1.4354, 0.2247

Inverse Universe

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



23.9455, 17.4995, 56.1513



34.8208, 22.1977, 97.0571



33.8767, 22.6193, 56.6161



10.3843, 10.4564, 13.3885



8.1720, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 38.0981, 49.7092, 18.8961 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 38.0981, 49.7092, 18.8961 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 38.0981, 49.7092, 18.8961

Background



This preview shows how black text looks on a background with the XYZ color 38.0981, 49.7092, 18.8961.



This preview shows how white text looks on a background with the XYZ color 38.0981, 49.7092, 18.8961.

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

38.0981, 49.7092, 18.8961

Protanopia

45.1997, 49.4528, 17.5190

Deuteranopia

50.3136, 49.2941, 19.4333



Tritanopia

46.7911, 49.2699, 62.9210

Trichromacy



Original Color

38.0981, 49.7092, 18.8961

Protanomaly

42.1370, 49.1461, 17.8550

Deuteranomaly

45.0360, 49.0170, 19.1442

Tritanomaly

42.5652, 48.8262, 42.3029

Monochromacy



Original Color

38.0981, 49.7092, 18.8961

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.9278, 45.7203, 34.7374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0981, 49.7092, 18.8961 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(165, 199, 97)` looks like.

```
.text, #text, p{  
    color:rgb(165, 199, 97)  
}
```

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(165, 199, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 199, 97) }
```

Border

The CSS property to change the border of an element to XYZ 38.0981, 49.7092, 18.8961 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(165, 199, 97) }
```


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

```
.border{ border-color:rgb(165, 199, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 199, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 199, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 199, 97);  
box-shadow:4px 4px 4px 4px rgb(165, 199,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0981, 49.7092, 18.8961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 199, 97) }
```

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

```
.background{ background-color: rgb(165,  
199, 97) }
```

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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