

Converting Colors

XYZ(38.5319, 49.7091, 30.9658)

Have a look what the booklet for
XYZ(38.5319, 49.7091, 30.9658)
contains.

XYZ(38.5777, 49.6923, 30.8509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.5777, 49.6923,
30.8509)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC788
RGB	156, 199, 136
RGB Percent	61%, 78%, 53%
CMY	0.3882, 0.2196, 0.4667
CMYK	0.22, 0.00, 0.32, 0.22
HSL	101°, 36%, 66%
HSV	101°, 32%, 78%
XYZ	38.5777, 49.6923, 30.8509
YIQ	178.9610, -5.4050, -28.7090

Conversions

Conversions Part 2

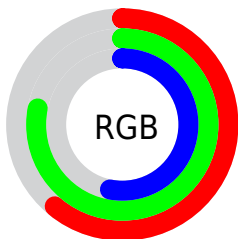
Format	Color
RYB	136, 199, 179
Decimal	10274696
CIELab	75.88, -25.83, 27.05
CIELCh	76, 37.407, 133.681
Yxy	49.6923, 0.3239, 0.4172
Android (android.graphics.Color)	4288464776 (0xFF9CC788)
YUV	178.9610, -21.1798, -20.1368
Hunter-Lab	70.4928, -25.6769, 23.3969

Details

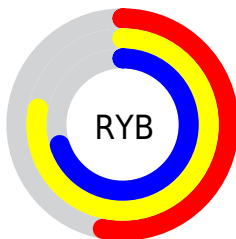
The XYZ color **38.5777, 49.6923, 30.8509** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.7054, 31.3170, 58.0929**, and the grayscale version is **42.9394, 45.1756, 49.1962**.

A 20% lighter version of the original color is **71.9182, 89.0866, 62.1201**, and **17.3986, 23.8062, 12.4822** is the 20% darker color. If you saturate the color by 10%, you get **34.8098, 47.8999, 23.9650**, and if you desaturate by 10%, it is **42.9047, 51.7456, 39.1358**.

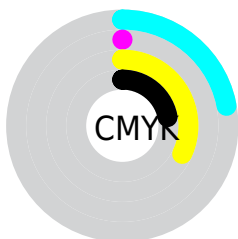
Distribution



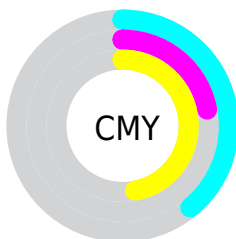
- Red (61%)
- Green (78%)
- Blue (53%)



- Red (53%)
- Yellow (78%)
- Blue (70%)



- Cyan (22%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)



- Cyan (39%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5777, 49.6923, 30.8509 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 38.5777, 49.6923, 30.8509 by changing the saturation by 10% instead.

■ 38.5777, 49.6923,
30.8509

■ 38.5777, 49.6923,
30.8509

331.3299,
385.4614, 320.1807

■ 26.6106, 35.1690,
20.2278

■ 72.2909, 89.7188,
62.0821

■ 17.4161, 23.7931,
12.3750

■ 94.7678, 115.9908,
83.5273

■ 10.6287, 15.1802,
6.8740

■ 121.4787,
146.9477, 109.4169

■ 5.8832, 8.9459,
3.3062

152.7888,
182.9741, 140.1695

■ 2.8142, 4.7059,
1.2530

189.0637,
224.4543, 176.2037

■ 1.0563, 2.0758,
0.0228

230.6686,

■ 0.0000, 0.6510,

271.7726, 217.9379

0.0000

277.9688,
325.3135, 265.7907

■ 0.0000, 0.0000,
0.0000

■ 38.5777, 49.6923,
30.8509

■ 38.5777, 49.6923,
30.8509

■ 34.8098, 47.8999,
23.9650

■ 42.9047, 51.7456,
39.1358

■ 31.5731, 46.3512,
18.3976

■ 47.8097, 54.0634,
48.8876

■ 28.8427, 45.0367,
14.0652


■ 53.3153, 56.6576,
60.1737


■ 26.5899, 43.9436,
10.8735


■ 59.4416, 59.5370,
73.0564


■ 24.7830, 43.0581,
8.7142


■ 66.2078, 62.7103,
87.5945

 23.3852, 42.3638,
7.4585

 73.5671, 66.1597,
103.5004

 22.4852, 41.9112,
6.9046

 78.2886, 68.5937,
103.7214

 79.7144, 69.3288,
103.7881

Harmonies

Analogous

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



44.1359, 49.6923, 24.7556



38.5777, 49.6923, 30.8509



35.5158, 49.6923, 44.0350

Triad

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



38.5777, 49.6923, 30.8509



43.5693, 49.6923, 99.8578



61.4648, 49.6923, 45.5380

Complementary

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



38.5777, 49.6923, 30.8509



37.7054, 31.3170, 58.0929

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.



61.2749, 49.6923, 65.6072



38.5777, 49.6923, 30.8509



50.4676, 49.6923, 100.5468

Square

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



38.5777, 49.6923, 30.8509



38.1982, 49.6923, 85.1301



57.0903, 49.6923, 86.8297



57.5863, 49.6923, 31.7171

Rectangle

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



38.5777, 49.6923, 30.8509



35.0945, 49.6923, 56.6045



57.0903, 49.6923, 86.8297



61.8855, 49.6923, 51.6830

Sweetspot

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



38.5790, 49.6944, 30.8520



86.0424, 95.7581, 90.3294



43.9195, 45.7625, 29.8116



18.1229, 20.3576, 18.7376



0.0000, 0.0000, 0.0000



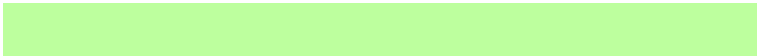
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5790, 49.6944, 30.8520



62.8915, 84.7929, 45.4448



35.8056, 48.1742, 34.8109



10.8091, 12.0485, 11.3187



14.5389, 26.9904, 4.4434



0.7643, 1.3171, 0.2139

Inverse Universe

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



37.7054, 31.3170, 58.0929



61.1091, 47.5936, 100.5734



41.4903, 33.4042, 52.1231



10.7430, 10.6413, 13.4052



13.2342, 6.0567, 35.2159



0.6994, 0.3243, 1.6709

Previews

White Background



This preview shows how the XYZ color 38.5777, 49.6923, 30.8509 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 38.5777, 49.6923, 30.8509 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 38.5777, 49.6923, 30.8509

Background



This preview shows how black text looks on a background with the XYZ color 38.5777, 49.6923, 30.8509.



This preview shows how white text looks on a background with the XYZ color 38.5777, 49.6923,

30.8509.

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

38.5777, 49.6923, 30.8509

Protanopia

45.7430, 49.1740, 28.5533

Deuteranopia

50.3689, 49.3493, 31.6816



Tritanopia

45.3693, 49.4502, 64.9112

Trichromacy



Original Color

38.5777, 49.6923, 30.8509

Protanomaly

42.8720, 49.2693, 29.4406

Deuteranomaly

45.2451, 48.8522, 31.4708

Tritanomaly

42.4124, 49.2217, 50.4454

Monochromacy



Original Color

38.5777, 49.6923, 30.8509

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.9644, 46.4201, 41.4513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5777, 49.6923, 30.8509 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(156, 199, 136)` looks like.

```
.text, #text, p{  
    color:rgb(156, 199, 136)  
}
```

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(156, 199, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 199, 136) }
```

Border

The CSS property to change the border of an element to XYZ 38.5777, 49.6923, 30.8509 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(156, 199, 136) }
```


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

```
.border{ border-color:rgb(156, 199, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 199, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 199, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 199, 136);  
box-shadow:4px 4px 4px 4px rgb(156, 199,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5777, 49.6923, 30.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 199, 136) }
```

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

```
.background{ background-color: rgb(156,  
199, 136) }
```

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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