

Converting Colors

XYZ(38.5700, 49.4373, 28.0408)

Have a look what the booklet for
XYZ(38.5700, 49.4373, 28.0408)
contains.

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Color

**XYZ(38.5876, 49.4203,
27.9274)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C680
RGB	160, 198, 128
RGB Percent	63%, 78%, 50%
CMY	0.3725, 0.2235, 0.4980
CMYK	0.19, 0.00, 0.35, 0.22
HSL	93°, 38%, 64%
HSV	93°, 35%, 78%
XYZ	38.5876, 49.4203, 27.9274
YIQ	178.6580, -0.1780, -29.8260

Conversions

Conversions Part 2

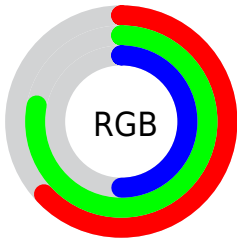
Format	Color
RYB	128, 198, 166
Decimal	10536576
CIELab	75.71, -25.08, 31.05
CIELCh	76, 39.914, 128.927
Yxy	49.4203, 0.3328, 0.4263
Android (android.graphics.Color)	4288726656 (0xFFA0C680)
YUV	178.6580, -24.9744, -16.3631
Hunter-Lab	70.2996, -25.0452, 25.6560

Details

The XYZ color **38.5876, 49.4203, 27.9274** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.6402, 27.6240, 56.9878**, and the grayscale version is **42.7956, 45.0243, 49.0314**.

A 20% lighter version of the original color is **72.4194, 89.4551, 57.1657**, and **17.4118, 23.6224, 10.8496** is the 20% darker color. If you saturate the color by 10%, you get **35.3529, 47.8904, 21.6242**, and if you desaturate by 10%, it is **42.2650, 51.1520, 35.5809**.

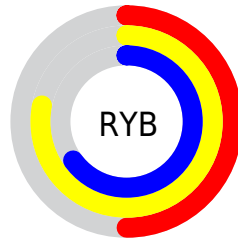
Distribution



Red (63%)

Green (78%)

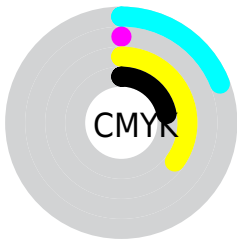
Blue (50%)



Red (50%)

Yellow (78%)

Blue (65%)

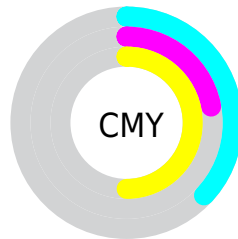


Cyan (19%)

Magenta (0%)

Yellow (35%)

Black (22%)



Cyan (37%)

Magenta (22%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5876, 49.4203, 27.9274 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 38.5876, 49.4203, 27.9274 by changing the saturation by 10% instead.

■ 38.5876, 49.4203,
27.9274

■ 38.5876, 49.4203,
27.9274

331.3714,
384.3946, 306.0209

■ 26.6183, 34.9530,
18.0324

■ 72.3060, 89.3154,
57.3902

■ 17.4219, 23.6267,
10.8036

■ 94.7858, 115.5119,
77.7951

■ 10.6329, 15.0569,
5.8224

■ 121.4999,
146.3870, 102.5403

■ 5.8860, 8.8593,
2.6703

152.8136,
182.3251, 132.0445

■ 2.8159, 4.6496,
0.9284

189.0922,
223.7105, 166.7260

■ 1.0572, 2.0431,
0.0000

230.7012,

■ 0.0000, 0.6324,

270.9276, 207.0036

0.0000

278.0058,
324.3608, 253.2957

■ 0.0000, 0.0000,
0.0000

■ 38.5876, 49.4203,
27.9274

■ 38.5876, 49.4203,
27.9274

■ 35.3529, 47.8904,
21.6242

■ 42.2650, 51.1520,
35.5809

■ 32.5376, 46.5476,
16.5896

■ 46.3995, 53.0869,
44.6535

■ 30.1217, 45.3849,
12.7381


■ 51.0095, 55.2345,
55.2134


■ 28.0817, 44.3924,
9.9722


■ 56.1109, 57.6016,
67.3232


■ 26.3908, 43.5586,
8.1791


■ 61.7191, 60.1949,
81.0421


 25.0172, 42.8703,
7.2204

 67.8486, 63.0206,
96.4261

 24.4612, 42.5895,
6.9314

 72.5879, 65.3146,
103.3889

 76.2502, 67.2026,
103.5603

 79.4851, 68.8702,
103.7117

Harmonies

Analogous

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



44.7990, 49.4203, 22.7589



38.5876, 49.4203, 27.9274



34.9073, 49.4203, 40.4483

Triad

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



38.5876, 49.4203, 27.9274



42.0401, 49.4203, 101.4935



62.4772, 49.4203, 47.7315

Complementary

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



38.5876, 49.4203, 27.9274



33.6402, 27.6240, 56.9878

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.



61.5395, 49.4203, 69.8319



38.5876, 49.4203, 27.9274



49.2152, 49.4203, 104.9384

Square

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



38.5876, 49.4203, 27.9274



36.7503, 49.4203, 83.6897



56.4918, 49.4203, 92.1434



58.9336, 49.4203, 32.0527

Rectangle

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



38.5876, 49.4203, 27.9274



34.1345, 49.4203, 53.0508



56.4918, 49.4203, 92.1434



62.6828, 49.4203, 54.5770

Sweetspot

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



38.5888, 49.4225, 27.9285



85.4760, 95.5486, 86.5745



40.7023, 40.5969, 26.1136



18.0587, 20.3410, 17.9917



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.



38.5888, 49.4225, 27.9285



64.0856, 85.5058, 41.1021



33.1494, 46.6003, 28.4850



10.9504, 12.1213, 11.3253



16.0031, 27.7452, 4.5119



0.8410, 1.3567, 0.2175

Inverse Universe

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



33.6402, 27.6240, 56.9878



54.0901, 41.4966, 99.7665



40.9358, 31.4159, 55.9348



10.5976, 10.5663, 13.3984



10.7104, 4.7557, 35.0978



0.5899, 0.2679, 1.6658

Previews

White Background



This preview shows how the XYZ color 38.5876, 49.4203, 27.9274 looks on a white background.

Color Contrast Check

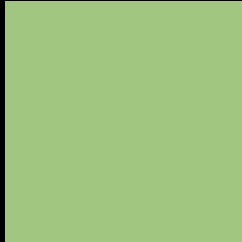
Large Text (above 18pt) WCAG AA × Fail

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 38.5876, 49.4203, 27.9274 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 38.5876, 49.4203, 27.9274

Background



This preview shows how black text looks on a background with the XYZ color 38.5876, 49.4203, 27.9274.



This preview shows how white text looks on a background with the XYZ color 38.5876, 49.4203,

27.9274.

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

38.5876, 49.4203, 27.9274

Protanopia

45.4912, 49.1044, 25.8194

Deuteranopia

49.9040, 48.8789, 28.6341



Tritanopia

45.8913, 49.4128, 64.2456

Trichromacy



Original Color

38.5876, 49.4203, 27.9274

Protanomaly

42.6086, 48.8724, 26.5896

Deuteranomaly

44.9989, 48.4787, 28.4584

Tritanomaly

42.6225, 49.0494, 48.2953

Monochromacy



Original Color

38.5876, 49.4203, 27.9274

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.9173, 46.4265, 40.0623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5876, 49.4203, 27.9274 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(160, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(160, 198, 128)  
}
```

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(160, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 198, 128) }
```

Border

The CSS property to change the border of an element to XYZ 38.5876, 49.4203, 27.9274 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(160, 198, 128) }
```


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

```
.border{ border-color:rgb(160, 198, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 198, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(160, 198,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5876, 49.4203, 27.9274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 198, 128) }
```

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

```
.background{ background-color: rgb(160,  
198, 128) }
```

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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