

Converting Colors

XYZ(38.6414, 49.2671, 27.8806)

Have a look what the booklet for
XYZ(38.6414, 49.2671, 27.8806)
contains.

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Color

**XYZ(38.5605, 49.0681,
27.8608)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C580
RGB	161, 197, 128
RGB Percent	63%, 77%, 50%
CMY	0.3686, 0.2274, 0.4980
CMYK	0.18, 0.00, 0.35, 0.23
HSL	91°, 37%, 64%
HSV	91°, 35%, 77%
XYZ	38.5605, 49.0681, 27.8608
YIQ	178.3700, 0.6930, -29.0910

Conversions

Conversions Part 2

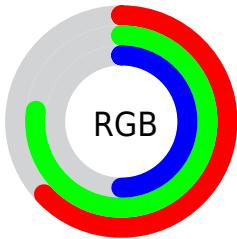
Format	Color
RYB	128, 197, 164
Decimal	10601856
CIELab	75.49, -24.22, 30.78
CIELCh	75, 39.166, 128.208
Yxy	49.0681, 0.3339, 0.4249
Android (android.graphics.Color)	4288791936 (0xFFA1C580)
YUV	178.3700, -24.8324, -15.2335
Hunter-Lab	70.0486, -24.3241, 25.4523

Details

The XYZ color **38.5605, 49.0681, 27.8608** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.1091, 27.3634, 56.3627**, and the grayscale version is **42.6413, 44.8620, 48.8547**.

A 20% lighter version of the original color is **72.3976, 88.9715, 57.0735**, and **17.3819, 23.3831, 10.8050** is the 20% darker color. If you saturate the color by 10%, you get **35.4010, 47.5764, 21.5890**, and if you desaturate by 10%, it is **42.1446, 50.7526, 35.4686**.

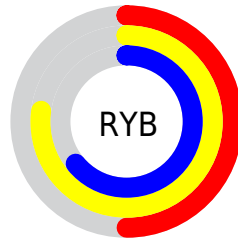
Distribution



Red (63%)

Green (77%)

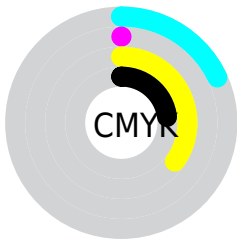
Blue (50%)



Red (50%)

Yellow (77%)

Blue (64%)

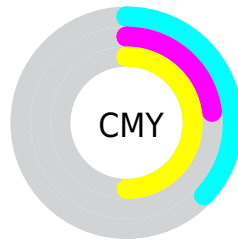


Cyan (18%)

Magenta (0%)

Yellow (35%)

Black (23%)



Cyan (37%)


Magenta (23%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5605, 49.0681, 27.8608 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 38.5605, 49.0681, 27.8608 by changing the saturation by 10% instead.

 38.5605, 49.0681,
27.8608


 38.5605, 49.0681,
27.8608


331.2577,
383.0104, 305.6921


 26.5972, 34.6735,
17.9826


 72.2648, 88.7926,
57.2825

 17.4059, 23.4115,
10.7682


 94.7365, 114.8913,
77.6632

 10.6214, 14.8976,
5.7990


 121.4417,
145.6601, 102.3818

 5.8783, 8.7476,
2.6564

152.7458,
181.4835, 131.8568

 2.8112, 4.5769,
0.9214

189.0140,
222.7458, 166.5068

 1.0547, 2.0012,
0.0000

230.6119,

 0.0000, 0.6082,

269.8315, 206.7503

0.0000

277.9047,
323.1248, 253.0059

■ 0.0000, 0.0000,
0.0000

■ 38.5605, 49.0681,
27.8608

■ 38.5605, 49.0681,
27.8608

■ 35.4010, 47.5764,
21.5890

■ 42.1446, 50.7526,
35.4686

■ 32.6436, 46.2631,
16.5728

■ 46.1671, 52.6310,
44.4804

■ 30.2693, 45.1217,
12.7281


■ 50.6453, 54.7122,
54.9630


■ 28.2555, 44.1427,
9.9591


■ 55.5947, 57.0029,
66.9783


■ 26.5765, 43.3154,
8.1551


■ 61.0300, 59.5094,
80.5847


 25.2021, 42.6270,
7.1809

 66.9650, 62.2375,
95.8372

 24.6051, 42.3255,
6.8728

 71.6070, 64.4707,
103.2777

 75.0604, 66.2510,
103.4393

 78.7126, 68.1338,
103.6103

Harmonies

Analogous

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



44.6821, 49.0681, 22.9257



38.5605, 49.0681, 27.8608



34.8888, 49.0681, 39.9730

Triad

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



38.5605, 49.0681, 27.8608



41.6671, 49.0681, 99.5511



61.7868, 49.0681, 47.9447

Complementary

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



38.5605, 49.0681, 27.8608



33.1091, 27.3634, 56.3627

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.



60.7663, 49.0681, 69.6041



38.5605, 49.0681, 27.8608



48.6497, 49.0681, 103.2860

Square

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



38.5605, 49.0681, 27.8608



36.5491, 49.0681, 82.0137



55.7709, 49.0681, 91.1940



58.4305, 49.0681, 32.3995

Rectangle

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



38.5605, 49.0681, 27.8608



34.0823, 49.0681, 52.1917



55.7709, 49.0681, 91.1940



61.9504, 49.0681, 54.6813

Sweetspot

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



38.5617, 49.0702, 27.8619



85.6772, 95.6524, 86.5840



40.1370, 39.8565, 26.0004



18.1066, 20.3657, 17.9939



0.0000, 0.0000, 0.0000



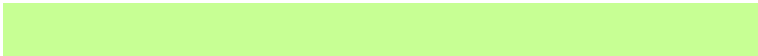
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5617, 49.0702, 27.8619



64.6818, 85.8132, 41.1300



32.8422, 46.1129, 27.9916



10.9719, 12.1325, 11.3263



16.2784, 27.8871, 4.5248



0.8543, 1.3635, 0.2182

Inverse Universe

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



33.1091, 27.3634, 56.3627



53.4665, 41.1751, 99.7373



40.6938, 31.2887, 56.0323



10.5759, 10.5551, 13.3974



10.3891, 4.5900, 35.0828



0.5752, 0.2603, 1.6651

Previews

White Background



This preview shows how the XYZ color 38.5605, 49.0681, 27.8608 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 38.5605, 49.0681, 27.8608 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 38.5605, 49.0681, 27.8608

Background



This preview shows how black text looks on a background with the XYZ color 38.5605, 49.0681, 27.8608.



This preview shows how white text looks on a background with the XYZ color 38.5605, 49.0681,

27.8608.

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

38.5605, 49.0681, 27.8608

Protanopia

45.0115, 48.5455, 25.7367

Deuteranopia

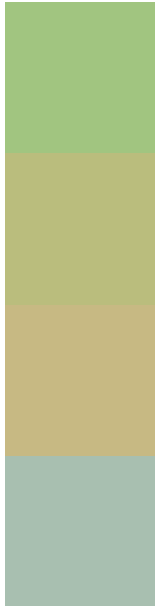
49.6005, 48.7224, 28.6199



Tritanopia

45.7760, 49.0489, 63.5546

Trichromacy



Original Color

38.5605, 49.0681, 27.8608

Protanomaly

42.1490, 48.3150, 26.5063

Deuteranomaly

44.9989, 48.4787, 28.4584

Tritanomaly

42.6157, 48.7210, 48.2323

Monochromacy



Original Color

38.5605, 49.0681, 27.8608

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.7074, 46.0066, 39.9924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5605, 49.0681, 27.8608 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(161, 197, 128)` looks like.

```
.text, #text, p{  
    color:rgb(161, 197, 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(161, 197, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 197, 128) }
```

Border

The CSS property to change the border of an element to XYZ 38.5605, 49.0681, 27.8608 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(161, 197, 128) }
```


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

```
.border{ border-color:rgb(161, 197, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 197, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 197, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 197, 128);  
box-shadow:4px 4px 4px 4px rgb(161, 197,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5605, 49.0681, 27.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 197, 128) }
```

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

```
.background{ background-color: rgb(161,  
197, 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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