

Converting Colors

XYZ(38.0487, 36.1800, 54.8131)

Have a look what the booklet for
XYZ(38.0487, 36.1800, 54.8131)
contains.

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Color

**XYZ(37.9805, 36.1288,
54.8409)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9CC0
RGB	170, 156, 192
RGB Percent	67%, 61%, 75%
CMY	0.3333, 0.3882, 0.2471
CMYK	0.11, 0.19, 0.00, 0.25
HSL	263°, 22%, 68%
HSV	263°, 19%, 75%
XYZ	37.9805, 36.1288, 54.8409
YIQ	164.2900, -3.2120, 14.1640

Conversions

Conversions Part 2

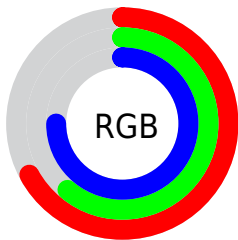
Format	Color
R _Y B	170, 156, 192
Decimal	11181248
CIE Lab	66.62, 12.17, -16.68
CIE LCh	67, 20.647, 306.103
Yxy	36.1288, 0.2945, 0.2802
Android (android.graphics.Color)	4289371328 (0xFFAA9CC0)
YUV	164.2900, 13.6610, 5.0077
Hunter-Lab	60.1072, 7.6027, -12.0202

Details

The XYZ color **37.9805, 36.1288, 54.8409** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.2117, 49.5654, 38.7438**, and the grayscale version is **35.3637, 37.2054, 40.5167**.

A 20% lighter version of the original color is **71.2889, 69.3734, 98.4400**, and **17.1102, 15.7897, 26.1907** is the 20% darker color. If you saturate the color by 10%, you get **32.5857, 28.9377, 53.7378**, and if you desaturate by 10%, it is **44.1133, 44.4582, 56.1260**.

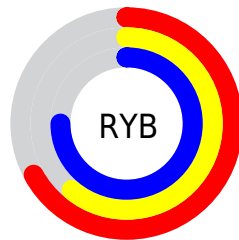
Distribution



Red (67%)

Green (61%)

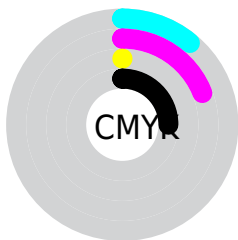
Blue (75%)



Red (67%)

Yellow (61%)

Blue (75%)

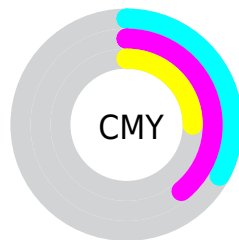


Cyan (11%)

Magenta (19%)

Yellow (0%)

Black (25%)



Cyan (33%)

Magenta (39%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9805, 36.1288, 54.8409 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 37.9805, 36.1288, 54.8409 by changing the saturation by 10% instead.

■ 37.9805, 36.1288,
54.8409

■ 37.9805, 36.1288,
54.8409

328.8186,
329.5232, 422.5735

■ 26.1447, 24.5337,
38.8766

■ 71.3823, 69.2308,
98.7766

■ 17.0652, 15.7300,
26.3567

■ 93.6791, 91.5065,
127.5851

■ 10.3766, 9.3333,
16.8625

120.1935,
118.1112, 161.5122

■ 5.7135, 4.9592,
9.9756

151.2910,
149.4293, 200.9762

■ 2.7107, 2.2233,
5.2774

187.3369,
185.8451, 246.3958

■ 1.0027, 0.7327,
2.3493

228.6966,

■ 0.0000, 0.0000,

227.7431, 298.1895

0.7587

275.7354,
275.5076, 356.7759

■ 0.0000, 0.0000,
0.0000

■ 37.9805, 36.1288,
54.8409

■ 37.9805, 36.1288,
54.8409

■ 32.5857, 28.9377,
53.7378

■ 44.1133, 44.4582,
56.1260

■ 27.8956, 22.8296,
52.8060

■ 51.0086, 53.9688,
57.5983

■ 23.8796, 17.7512,
52.0374

■ 58.6940, 64.7069,
59.2659

■ 20.5031, 13.6430,
51.4224

■ 67.1947, 76.7150,
61.1356

■ 17.7280, 10.4390,
50.9503

■ 76.5346, 90.0333,
63.2141

■ 15.5119, 8.0646,
50.6088

■ 81.3474, 93.9221,
63.7110

■ 13.8056, 6.4327,
50.3837

■ 85.4698, 96.0472,
63.9039

■ 12.5315, 5.3998,
50.2515

■ 86.5145, 96.5858,
63.9528

■ 12.3898, 5.2881,
50.2374

Harmonies

Analogous

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



34.9783, 36.1288, 58.9166



37.9805, 36.1288, 54.8409



40.0949, 36.1288, 46.6824

Triad

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



37.9805, 36.1288, 54.8409



36.8162, 36.1288, 25.6794



28.7360, 36.1288, 41.1851

Complementary

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



37.9805, 36.1288, 54.8409



43.2117, 49.5654, 38.7438

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.



29.1627, 36.1288, 32.8076



37.9805, 36.1288, 54.8409



33.7082, 36.1288, 24.6627

Square

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



37.9805, 36.1288, 54.8409



39.3948, 36.1288, 30.0948



30.9387, 36.1288, 27.0726



29.7360, 36.1288, 50.3033

Rectangle

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



37.9805, 36.1288, 54.8409



40.6499, 36.1288, 40.5121



30.9387, 36.1288, 27.0726



28.7182, 36.1288, 38.1871

Sweetspot

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



37.9816, 36.1303, 54.8417



83.1068, 84.9132, 102.3700



39.1862, 42.7954, 56.0647



17.6584, 17.9820, 21.9255



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.9816, 36.1303, 54.8417



65.1452, 60.5359, 98.6114



42.0938, 38.2502, 55.0341



9.8905, 9.9347, 12.6811



8.4185, 3.6003, 33.8078



0.4410, 0.1954, 1.4644

Inverse Universe

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



41.6638, 38.1993, 47.2983



72.9622, 64.9312, 82.4661



39.3889, 47.5947, 38.5649



10.3260, 10.1790, 11.8071



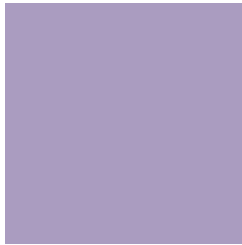
16.8406, 8.4260, 12.3384



0.7606, 0.3772, 0.7067

Previews

White Background



This preview shows how the XYZ color 37.9805, 36.1288, 54.8409 looks on a white background.

Color Contrast Check

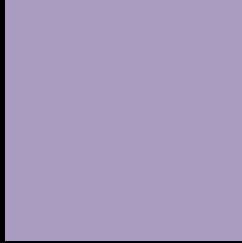
Large Text (above 18pt) WCAG AA × Fail

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 37.9805, 36.1288, 54.8409 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 37.9805, 36.1288, 54.8409

Background



This preview shows how black text looks on a background with the XYZ color 37.9805, 36.1288, 54.8409.



This preview shows how white text looks on a background with the XYZ color 37.9805, 36.1288,

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

37.9805, 36.1288, 54.8409

Protanopia

36.1128, 36.3984, 56.7520

Deuteranopia

36.8455, 36.0460, 54.8848



Tritanopia

35.9535, 36.3357, 44.1483

Trichromacy



Original Color

37.9805, 36.1288, 54.8409

Protanomaly

36.6329, 36.1649, 56.0887

Deuteranomaly

37.2973, 36.0267, 54.8572

Tritanomaly

36.6833, 36.3758, 47.7356

Monochromacy



Original Color

37.9805, 36.1288, 54.8409

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.1107, 36.6527, 45.2158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9805, 36.1288, 54.8409 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(170, 156, 192)` looks like.

```
.text, #text, p{  
    color:rgb(170, 156, 192)  
}
```

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(170, 156, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 156, 192) }
```

Border

The CSS property to change the border of an element to XYZ 37.9805, 36.1288, 54.8409 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(170, 156, 192) }
```


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

```
.border{ border-color:rgb(170, 156, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 156, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 156, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 156, 192);  
box-shadow:4px 4px 4px 4px rgb(170, 156,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9805, 36.1288, 54.8409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 156, 192) }
```

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

```
.background{ background-color: rgb(170,  
156, 192) }
```

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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