

Converting Colors

$Yxy(33.8260, 0.4393, 0.4689)$

Have a look what the booklet for
Yxy(33.8260, 0.4393, 0.4689)
contains.

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Color

Yxy(33.9778, 0.4388, 0.4695)

Conversions

Conversions Part 1

Format	Color
Hex	B79C25
RGB	183, 156, 37
RGB Percent	72%, 61%, 15%
CMY	0.2822, 0.3883, 0.8548
CMYK	0.00, 0.15, 0.80, 0.28
HSL	49°, 66%, 43%
HSV	49°, 80%, 72%
XYZ	31.7560, 33.9778, 6.6363
YIQ	150.5070, 54.2910, -31.2850

Conversions

Conversions Part 2

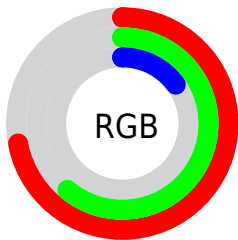
Format	Color
RYB	70, 183, 37
Decimal	12033061
CIELab	64.94, -1.95, 60.85
CIELCh	65, 60.883, 91.837
Yxy	33.9778, 0.4388, 0.4695
Android (android.graphics.Color)	4290223141 (0xFFB79C25)
YUV	150.5070, -55.9590, 28.4964
Hunter-Lab	58.2905, -4.7634, 34.0532

Details

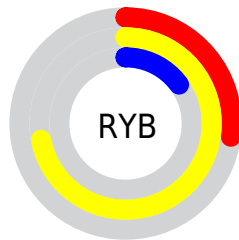
The Yxy color **33.9778, 0.4388, 0.4695** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.4868, 0.1734, 0.1164**, and the grayscale version is **30.9547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7607, 0.4187, 0.4467**, and **14.5388, 0.4510, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **32.7703, 0.4487, 0.4746**, and if you desaturate by 10%, it is **35.2779, 0.4262, 0.4599**.

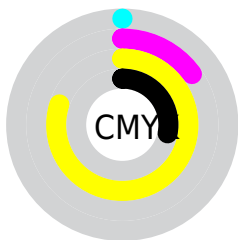
Distribution



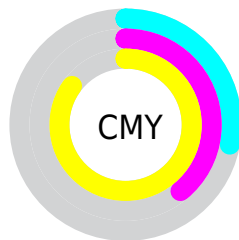
- Red (72%)
- Green (61%)
- Blue (15%)



- Red (27%)
- Yellow (72%)
- Blue (15%)



- Cyan (0%)
- Magenta (15%)
- Yellow (80%)
- Black (28%)



- Cyan (28%)
- Magenta (39%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9778, 0.4388, 0.4695 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 Yxy color 33.9778, 0.4388, 0.4695 by changing the saturation by 10% instead.

 33.9778, 0.4388,
0.4695


 33.9778, 0.4388,
0.4695


320.0331, 0.3791,
0.4021


 22.8765, 0.4503,
0.4830


 65.8991, 0.4191,
0.4470


 14.5024, 0.4623,
0.4974


 87.4880, 0.4111,
0.4378


 8.4709, 0.4806,
0.5194


 113.3416, 0.4040,
0.4298

 4.3977, 0.4790,
0.5210

 143.8442, 0.3977,
0.4228

 1.8984, 0.4763,
0.5237

 179.3802, 0.3922,
0.4167

 0.5474, 0.4634,
0.5366

 220.3341, 0.3874,

 0.0000, 0.0000,

0.4112

0.0000

267.0903, 0.3830,
0.4064

■ 33.9778, 0.4388,
0.4695

■ 33.9778, 0.4388,
0.4695

■ 32.7703, 0.4487,
0.4746

■ 35.2779, 0.4262,
0.4599

■ 31.6352, 0.4561,
0.4759

■ 36.6736, 0.4114,
0.4462

■ 31.6098, 0.4563,
0.4759

■ 38.1731, 0.3950,
0.4293

■ 39.7824, 0.3779,
0.4101

■ 41.5068, 0.3605,
0.3897

■ 43.3513, 0.3436,
0.3689

■ 45.3204, 0.3275,
0.3484

■ 47.4183, 0.3124,
0.3286

■ 49.6491, 0.2984,
0.3098

Harmonies

Analogous

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



33.9778, 0.4901, 0.4067



33.9778, 0.4388, 0.4695



33.9778, 0.3588, 0.5043

Triad

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



33.9778, 0.4388, 0.4695



33.9778, 0.1625, 0.2767



33.9778, 0.3342, 0.2289

Complementary

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



33.9778, 0.4388, 0.4695



7.4868, 0.1734, 0.1164

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.



33.9778, 0.2455, 0.1984



33.9778, 0.4388, 0.4695



33.9778, 0.1588, 0.2162

Square

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



33.9778, 0.4388, 0.4695



33.9778, 0.2003, 0.3745



33.9778, 0.1862, 0.1926



33.9778, 0.4296, 0.2791

Rectangle

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



33.9778, 0.4388, 0.4695



33.9778, 0.3000, 0.4914



33.9778, 0.1862, 0.1926



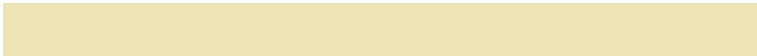
33.9778, 0.3022, 0.2162

Sweetspot

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



33.9794, 0.4388, 0.4695



76.0613, 0.3514, 0.3786



11.7912, 0.5388, 0.2998



16.5427, 0.3574, 0.3860



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.9794, 0.4388, 0.4695



57.0803, 0.4544, 0.4755



39.5205, 0.3709, 0.5242



10.2130, 0.3268, 0.3475



22.1373, 0.4557, 0.4763



0.8547, 0.4448, 0.4850

Inverse Universe

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



7.4868, 0.1734, 0.1164



8.6082, 0.1566, 0.0810



6.4861, 0.1953, 0.1006



8.9814, 0.2984, 0.3098



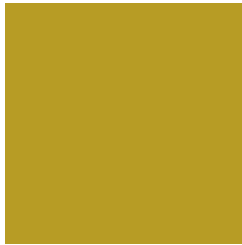
3.2541, 0.1553, 0.0790



0.1968, 0.1678, 0.1239

Previews

White Background



This preview shows how the Yxy color 33.9778, 0.4388, 0.4695 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 Yxy color 33.9778, 0.4388, 0.4695 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](#).

Yxy 33.9778, 0.4388, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 33.9778, 0.4388, 0.4695.



This preview shows how white text looks on a background with the Yxy color 33.9778, 0.4388, 0.4695.

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

33.9778, 0.4388, 0.4695

Protanopia

33.9408, 0.4300, 0.4753

Deuteranopia

33.9717, 0.4593, 0.4512



Tritanopia

33.7615, 0.3494, 0.3129

Trichromacy



Original Color

33.9778, 0.4388, 0.4695

Protanomaly

33.8376, 0.4331, 0.4728

Deuteranomaly

33.9404, 0.4525, 0.4572

Tritanomaly

33.3785, 0.3913, 0.3789

Monochromacy



Original Color

33.9778, 0.4388, 0.4695

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6948, 0.3649, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9778, 0.4388, 0.4695 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(183, 156, 37)` looks like.

```
.text, #text, p{  
    color:rgb(183, 156, 37)  
}
```

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(183, 156, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 156, 37) }
```

Border

The CSS property to change the border of an element to Yxy 33.9778, 0.4388, 0.4695 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(183, 156, 37) }
```

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

```
.border{ border-color:rgb(183, 156, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 156, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 156, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 156, 37);  
box-shadow:4px 4px 4px 4px rgb(183, 156,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9778, 0.4388, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 156, 37) }
```

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

```
.background{ background-color: rgb(183,  
156, 37) }
```

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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