

Converting Colors

$Yxy(34.8662, 0.4209, 0.4573)$

Have a look what the booklet for
Yxy(34.8662, 0.4209, 0.4573)
contains.

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Color

Yxy(34.8258, 0.4206, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	B49F3C
RGB	180, 159, 60
RGB Percent	71%, 62%, 24%
CMY	0.2941, 0.3765, 0.7647
CMYK	0.00, 0.12, 0.67, 0.29
HSL	49°, 50%, 47%
HSV	49°, 67%, 71%
XYZ	32.0379, 34.8258, 9.3082
YIQ	153.9930, 44.2950, -26.3370

Conversions

Conversions Part 2

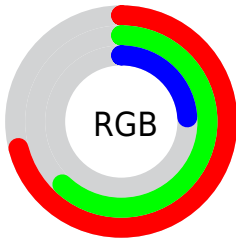
Format	Color
RYB	85, 180, 60
Decimal	11837244
CIELab	65.61, -3.81, 52.61
CIELCh	66, 52.745, 94.139
Yxy	34.8258, 0.4206, 0.4572
Android (android.graphics.Color)	4290027324 (0xFFB49F3C)
YUV	153.9930, -46.3385, 22.8081
Hunter-Lab	59.0134, -6.3672, 31.9575

Details

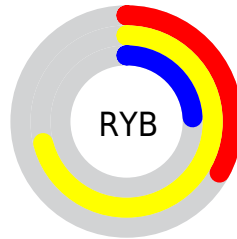
The Yxy color **34.8258, 0.4206, 0.4572** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.1428, 0.1929, 0.1499**, and the grayscale version is **32.5057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9355, 0.4027, 0.4349**, and **15.0102, 0.4431, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **33.5983, 0.4336, 0.4683**, and if you desaturate by 10%, it is **36.1490, 0.4055, 0.4423**.

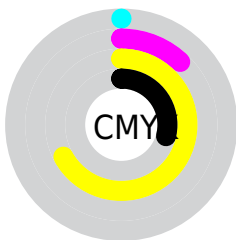
Distribution



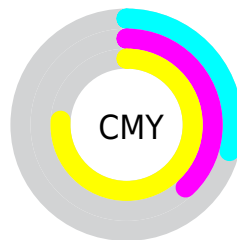
- Red (71%)
- Green (62%)
- Blue (24%)



- Red (33%)
- Yellow (71%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (67%)
- Black (29%)




- Cyan (29%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8258, 0.4206, 0.4572 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 34.8258, 0.4206, 0.4572 by changing the saturation by 10% instead.


 34.8258, 0.4206,
0.4572

 34.8258, 0.4206,
0.4572


323.7988, 0.3683,
0.3935

 23.5287, 0.4316,
0.4713


 67.2158, 0.4028,
0.4350

 14.9844, 0.4439,
0.4878


 89.0775, 0.3956,
0.4263

 8.8084, 0.4576,
0.5070


 115.2296, 0.3895,
0.4188

 4.6164, 0.4712,
0.5288

 146.0564, 0.3841,
0.4124

 2.0240, 0.4661,
0.5339

 181.9423, 0.3794,
0.4067

 0.6214, 0.4447,
0.5553

223.2717, 0.3753,

 0.0000, 0.0000,

0.4018

0.0000

270.4291, 0.3716,
0.3974

■ 34.8258, 0.4206,
0.4572

■ 34.8258, 0.4206,
0.4572

■ 33.5983, 0.4336,
0.4683

■ 36.1490, 0.4055,
0.4423

■ 32.4544, 0.4440,
0.4751

■ 37.5691, 0.3891,
0.4244

■ 31.3862, 0.4516,
0.4774

■ 39.0931, 0.3721,
0.4046

■ 31.0407, 0.4539,
0.4778

■ 40.7260, 0.3550,
0.3838

■ 42.4724, 0.3384,
0.3628

■ 44.3364, 0.3227,
0.3423

■ 46.3222, 0.3079,
0.3225

■ 48.4334, 0.2944,
0.3039

■ 50.6737, 0.2820,
0.2866

Harmonies

Analogous

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



34.8258, 0.4660, 0.4055



34.8258, 0.4206, 0.4572



34.8258, 0.3498, 0.4790

Triad

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



34.8258, 0.4206, 0.4572



34.8258, 0.1789, 0.2802



34.8258, 0.3385, 0.2436

Complementary

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



34.8258, 0.4206, 0.4572



10.1428, 0.1929, 0.1499

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.



34.8258, 0.2599, 0.2146



34.8258, 0.4206, 0.4572



34.8258, 0.1772, 0.2283

Square

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



34.8258, 0.4206, 0.4572



34.8258, 0.2115, 0.3618



34.8258, 0.2043, 0.2081



34.8258, 0.4189, 0.2901

Rectangle

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



34.8258, 0.4206, 0.4572



34.8258, 0.2981, 0.4626



34.8258, 0.2043, 0.2081



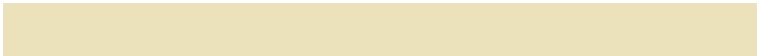
34.8258, 0.3107, 0.2317

Sweetspot

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



34.8275, 0.4206, 0.4572



75.8142, 0.3444, 0.3705



13.5456, 0.4886, 0.3014



16.1970, 0.3490, 0.3764



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.8275, 0.4206, 0.4572



59.9201, 0.4388, 0.4721



38.7242, 0.3662, 0.5011



9.6485, 0.3267, 0.3477



21.7492, 0.4534, 0.4782



0.7507, 0.4424, 0.4869

Inverse Universe

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



10.1428, 0.1929, 0.1499



12.2820, 0.1709, 0.1107



9.1245, 0.2184, 0.1338



8.4628, 0.2985, 0.3096



3.0739, 0.1549, 0.0776



0.1693, 0.1677, 0.1238

Previews

White Background



This preview shows how the Yxy color 34.8258, 0.4206, 0.4572 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 34.8258, 0.4206, 0.4572 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 34.8258, 0.4206, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 34.8258, 0.4206, 0.4572.



This preview shows how white text looks on a background with the Yxy color 34.8258, 0.4206, 0.4572.

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

34.8258, 0.4206, 0.4572

Protanopia

34.9328, 0.4176, 0.4595

Deuteranopia

34.8100, 0.4445, 0.4373



Tritanopia

34.7243, 0.3423, 0.3142

Trichromacy



Original Color

34.8258, 0.4206, 0.4572

Protanomaly

35.0516, 0.4186, 0.4589

Deuteranomaly

34.8560, 0.4351, 0.4454

Tritanomaly

34.5520, 0.3748, 0.3696

Monochromacy



Original Color

34.8258, 0.4206, 0.4572

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.9195, 0.3540, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8258, 0.4206, 0.4572 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(180, 159, 60)` looks like.

```
.text, #text, p{  
    color:rgb(180, 159, 60)  
}
```

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(180, 159, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 159, 60) }
```

Border

The CSS property to change the border of an element to Yxy 34.8258, 0.4206, 0.4572 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(180, 159, 60) }
```

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

```
.border{ border-color:rgb(180, 159, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 159, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 159, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 159, 60);  
box-shadow:4px 4px 4px 4px rgb(180, 159,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8258, 0.4206, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 159, 60) }
```

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

```
.background{ background-color: rgb(180,  
159, 60) }
```

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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