

Converting Colors

$Yxy(34.9603, 0.4209, 0.4716)$

Have a look what the booklet for
Yxy(34.9603, 0.4209, 0.4716)
contains.

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Color

Yxy(34.9416, 0.4208, 0.4712)

Conversions

Conversions Part 1

Format	Color
Hex	B0A131
RGB	176, 161, 49
RGB Percent	69%, 63%, 19%
CMY	0.3098, 0.3686, 0.8077
CMYK	0.00, 0.09, 0.72, 0.31
HSL	53°, 56%, 44%
HSV	53°, 72%, 69%
XYZ	31.2042, 34.9416, 8.0087
YIQ	152.7170, 44.8920, -31.6520

Conversions

Conversions Part 2

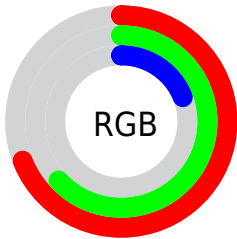
Format	Color
RYB	66, 176, 49
Decimal	11575601
CIELab	65.70, -7.24, 57.07
CIELCh	66, 57.528, 97.231
Yxy	34.9416, 0.4208, 0.4712
Android (android.graphics.Color)	4289765681 (0xFFB0A131)
YUV	152.7170, -51.1325, 20.4192
Hunter-Lab	59.1114, -9.2170, 33.3451

Details

The Yxy color **34.9416, 0.4208, 0.4712** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.4583, 0.1813, 0.1236**, and the grayscale version is **31.9398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5834, 0.4031, 0.4470**, and **15.1449, 0.4341, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **34.1019, 0.4305, 0.4807**, and if you desaturate by 10%, it is **35.8547, 0.4086, 0.4576**.

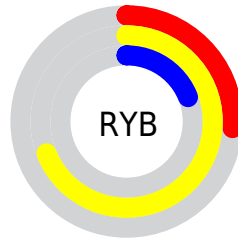
Distribution



Red (69%)

Green (63%)

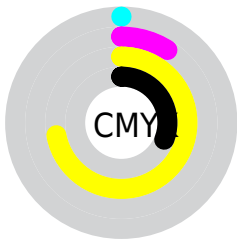
Blue (19%)



Red (26%)

Yellow (69%)

Blue (19%)

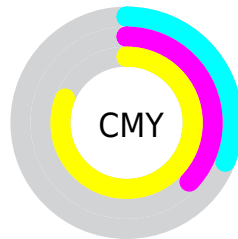


Cyan (0%)

Magenta (9%)

Yellow (72%)

Black (31%)



Cyan (31%)


Magenta (37%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9416, 0.4208, 0.4712 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 34.9416, 0.4208, 0.4712 by changing the saturation by 10% instead.

 34.9416, 0.4208,
0.4712


 34.9416, 0.4208,
0.4712


324.3105, 0.3698,
0.4007


 23.6179, 0.4307,
0.4866


 67.3953, 0.4039,
0.4468

 15.0504, 0.4411,
0.5042


 89.2941, 0.3970,
0.4371


 8.8548, 0.4540,
0.5274


 115.4866, 0.3910,
0.4289

 4.6466, 0.4566,
0.5434

 146.3574, 0.3857,
0.4217

 2.0414, 0.4467,
0.5533

 182.2908, 0.3810,
0.4154

 0.6314, 0.4014,
0.5986

 223.6712, 0.3768,

 0.0000, 0.0000,

0.4099

0.0000

270.8829, 0.3731,
0.4050

■ 34.9416, 0.4208,
0.4712

■ 34.9416, 0.4208,
0.4712

■ 34.1019, 0.4305,
0.4807

■ 35.8547, 0.4086,
0.4576

■ 33.3235, 0.4375,
0.4858

■ 36.8423, 0.3945,
0.4404

■ 32.7438, 0.4416,
0.4875

■ 37.9115, 0.3790,
0.4207

■ 39.0670, 0.3629,
0.3993

■ 40.3132, 0.3467,
0.3772

■ 41.6542, 0.3309,
0.3550

■ 43.0937, 0.3158,
0.3335

■ 44.6354, 0.3017,
0.3129

■ 46.2824, 0.2886,
0.2937

Harmonies

Analogous

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



34.9416, 0.4748, 0.4156



34.9416, 0.4208, 0.4712



34.9416, 0.3426, 0.4926

Triad

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



34.9416, 0.4208, 0.4712



34.9416, 0.1674, 0.2676



34.9416, 0.3498, 0.2416

Complementary

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



34.9416, 0.4208, 0.4712



7.4583, 0.1813, 0.1236

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.



34.9416, 0.2630, 0.2086



34.9416, 0.4208, 0.4712



34.9416, 0.1691, 0.2164

Square

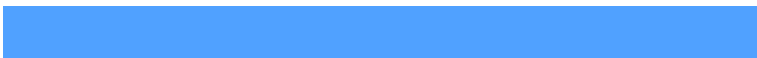
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.9416, 0.4208, 0.4712



34.9416, 0.1980, 0.3540



34.9416, 0.2008, 0.1988



34.9416, 0.4360, 0.2923

Rectangle

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



34.9416, 0.4208, 0.4712



34.9416, 0.2872, 0.4706



34.9416, 0.2008, 0.1988



34.9416, 0.3192, 0.2283

Sweetspot

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



34.9433, 0.4208, 0.4712



73.0582, 0.3471, 0.3777



11.8223, 0.5234, 0.3096



15.7008, 0.3514, 0.3836



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.9433, 0.4208, 0.4712



60.9368, 0.4353, 0.4844



35.9745, 0.3616, 0.5161



9.7319, 0.3266, 0.3489



24.0808, 0.4414, 0.4877



0.8058, 0.4344, 0.4933

Inverse Universe

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



7.4583, 0.1813, 0.1236



8.5430, 0.1606, 0.0855



7.7984, 0.2164, 0.1231



8.3865, 0.2985, 0.3083



2.7348, 0.1528, 0.0700



0.1377, 0.1624, 0.1048

Previews

White Background



This preview shows how the Yxy color 34.9416, 0.4208, 0.4712 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 34.9416, 0.4208, 0.4712 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 34.9416, 0.4208, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 34.9416, 0.4208, 0.4712.



This preview shows how white text looks on a background with the Yxy color 34.9416, 0.4208, 0.4712.

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

34.9416, 0.4208, 0.4712

Protanopia

34.9471, 0.4249, 0.4682

Deuteranopia

34.9929, 0.4522, 0.4434



Tritanopia

34.7356, 0.3370, 0.3127

Trichromacy



Original Color

34.9416, 0.4208, 0.4712

Protanomaly

34.8283, 0.4239, 0.4689

Deuteranomaly

34.7670, 0.4406, 0.4529

Tritanomaly

34.4368, 0.3742, 0.3757

Monochromacy



Original Color

34.9416, 0.4208, 0.4712

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5918, 0.3567, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9416, 0.4208, 0.4712 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(176, 161, 49)` looks like.

```
.text, #text, p{  
    color:rgb(176, 161, 49)  
}
```

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(176, 161, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 161, 49) }
```

Border

The CSS property to change the border of an element to Yxy 34.9416, 0.4208, 0.4712 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(176, 161, 49) }
```

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

```
.border{ border-color:rgb(176, 161, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 161, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 161, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 161, 49);  
box-shadow:4px 4px 4px 4px rgb(176, 161,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9416, 0.4208, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 161, 49) }
```

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

```
.background{ background-color: rgb(176,  
161, 49) }
```

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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