

Converting Colors

$Y_{xy}(33.9093, 0.4358, 0.4678)$

Have a look what the booklet for
Yxy(33.9093, 0.4358, 0.4678)
contains.

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Color

Yxy(33.8821, 0.4360, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	B69C29
RGB	182, 156, 41
RGB Percent	71%, 61%, 16%
CMY	0.2863, 0.3882, 0.8394
CMYK	0.00, 0.14, 0.78, 0.29
HSL	49°, 63%, 44%
HSV	49°, 78%, 71%
XYZ	31.5789, 33.8821, 6.9676
YIQ	150.6640, 52.4110, -30.2530

Conversions

Conversions Part 2

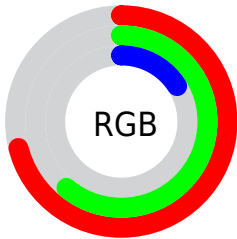
Format	Color
R_{YB}	73, 182, 41
Decimal	11967529
CIE _{Lab}	64.87, -2.27, 59.43
CIE _{LCh}	65, 59.476, 92.187
Yxy	33.8821, 0.4360, 0.4678
Android (android.graphics.Color)	4290157609 (0xFFB69C29)
YUV	150.6640, -54.0644, 27.4817
Hunter-Lab	58.2083, -5.0257, 33.6487

Details

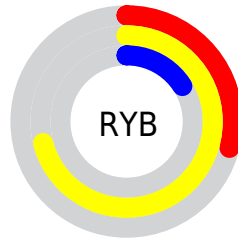
The Yxy color **33.8821, 0.4360, 0.4678** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.8538, 0.1764, 0.1220**, and the grayscale version is **31.0131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6385, 0.4163, 0.4448**, and **14.4631, 0.4495, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **32.6748, 0.4465, 0.4740**, and if you desaturate by 10%, it is **35.1824, 0.4229, 0.4572**.

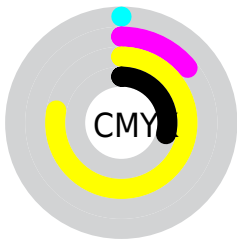
Distribution



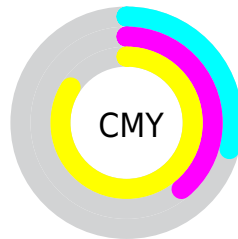
- Red (71%)
- Green (61%)
- Blue (16%)



- Red (29%)
- Yellow (71%)
- Blue (16%)



- Cyan (0%)
- Magenta (14%)
- Yellow (78%)
- Black (29%)




- Cyan (29%)
- Magenta (39%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8821, 0.4360, 0.4678 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 33.8821, 0.4360, 0.4678 by changing the saturation by 10% instead.

 33.8821, 0.4360,
0.4678


 33.8821, 0.4360,
0.4678


319.6060, 0.3774,
0.4007


 22.8030, 0.4475,
0.4815


 65.7503, 0.4165,
0.4452


 14.4481, 0.4596,
0.4963


 87.3082, 0.4086,
0.4361


 8.4330, 0.4781,
0.5190


 113.1278, 0.4016,
0.4281

 4.3732, 0.4776,
0.5224

 143.5936, 0.3955,
0.4212

 1.8845, 0.4744,
0.5256

 179.0900, 0.3901,
0.4151

 0.5390, 0.4588,
0.5412

 220.0012, 0.3854,

 0.0000, 0.0000,

0.4097

0.0000

266.7117, 0.3811,
0.4050

■ 33.8821, 0.4360,
0.4678

■ 33.8821, 0.4360,
0.4678

■ 32.6748, 0.4465,
0.4740

■ 35.1824, 0.4229,
0.4572

■ 31.5447, 0.4542,
0.4759

■ 36.5783, 0.4077,
0.4426

■ 31.2702, 0.4560,
0.4761

■ 38.0778, 0.3911,
0.4251

■ 39.6865, 0.3739,
0.4056

■ 41.4096, 0.3566,
0.3851

■ 43.2520, 0.3399,
0.3642

■ 45.2179, 0.3240,
0.3438

■ 47.3116, 0.3091,
0.3242

■ 49.5369, 0.2955,
0.3057

Harmonies

Analogous

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



33.8821, 0.4864, 0.4067



33.8821, 0.4360, 0.4678



33.8821, 0.3574, 0.5004

Triad

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



33.8821, 0.4360, 0.4678



33.8821, 0.1650, 0.2772



33.8821, 0.3350, 0.2312

Complementary

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



33.8821, 0.4360, 0.4678



7.8538, 0.1764, 0.1220

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.



33.8821, 0.2478, 0.2008



33.8821, 0.4360, 0.4678



33.8821, 0.1616, 0.2181

Square

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



33.8821, 0.4360, 0.4678



33.8821, 0.2020, 0.3724



33.8821, 0.1890, 0.1950



33.8821, 0.4281, 0.2808

Rectangle

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



33.8821, 0.4360, 0.4678



33.8821, 0.2997, 0.4868



33.8821, 0.1890, 0.1950



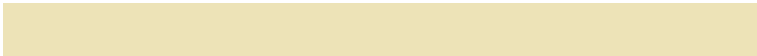
33.8821, 0.3036, 0.2186

Sweetspot

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



33.8837, 0.4360, 0.4678



76.4256, 0.3496, 0.3765



11.9582, 0.5295, 0.2992



16.6185, 0.3558, 0.3840



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.



33.8837, 0.4360, 0.4678



57.7810, 0.4522, 0.4756



39.1623, 0.3707, 0.5206



10.2144, 0.3268, 0.3475



22.1732, 0.4555, 0.4765



0.8557, 0.4447, 0.4851

Inverse Universe

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



7.8538, 0.1764, 0.1220



9.1886, 0.1585, 0.0856



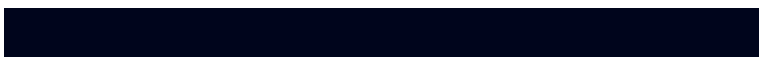
6.8099, 0.1987, 0.1055



8.9801, 0.2984, 0.3098



3.2473, 0.1552, 0.0788



0.1963, 0.1677, 0.1236

Previews

White Background



This preview shows how the Yxy color 33.8821, 0.4360, 0.4678 looks on a white background.

Color Contrast Check

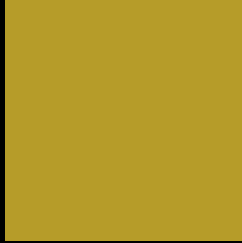
Large Text (above 18pt) WCAG AA × Fail

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 33.8821, 0.4360, 0.4678 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 33.8821, 0.4360, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 33.8821, 0.4360, 0.4678.



This preview shows how white text looks on a background with the Yxy color 33.8821, 0.4360, 0.4678.

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

33.8821, 0.4360, 0.4678

Protanopia

33.9609, 0.4287, 0.4733

Deuteranopia

34.0003, 0.4573, 0.4487



Tritanopia

33.9392, 0.3481, 0.3142

Trichromacy



Original Color

33.8821, 0.4360, 0.4678

Protanomaly

33.8577, 0.4318, 0.4709

Deuteranomaly

33.8374, 0.4496, 0.4554

Tritanomaly

33.6153, 0.3876, 0.3777

Monochromacy



Original Color

33.8821, 0.4360, 0.4678

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6115, 0.3628, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8821, 0.4360, 0.4678 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(182, 156, 41)` looks like.

```
.text, #text, p{  
    color:rgb(182, 156, 41)  
}
```

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(182, 156, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 156, 41) }
```

Border

The CSS property to change the border of an element to Yxy 33.8821, 0.4360, 0.4678 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(182, 156, 41) }
```

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

```
.border{ border-color:rgb(182, 156, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 156, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 156, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 156, 41);  
box-shadow:4px 4px 4px 4px rgb(182, 156,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8821, 0.4360, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 156, 41) }
```

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

```
.background{ background-color: rgb(182,  
156, 41) }
```

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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