

Converting Colors

$Y_{xy}(34.2462, 0.4345, 0.4329)$

Have a look what the booklet for
Yxy(34.2462, 0.4345, 0.4329)
contains.

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Color

Yxy(34.2236, 0.4344, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	C19845
RGB	193, 152, 69
RGB Percent	76%, 60%, 27%
CMY	0.2431, 0.4039, 0.7294
CMYK	0.00, 0.21, 0.64, 0.24
HSL	40°, 50%, 51%
HSV	40°, 64%, 76%
XYZ	34.2947, 34.2236, 10.4289
YIQ	154.7970, 51.0790, -17.1210

Conversions

Conversions Part 2

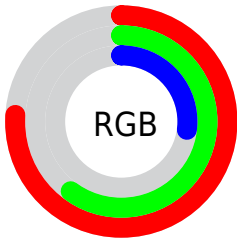
Format	Color
RYB	130, 193, 69
Decimal	12687429
CIELab	65.14, 6.22, 48.39
CIELCh	65, 48.786, 82.677
Yxy	34.2236, 0.4344, 0.4335
Android (android.graphics.Color)	4290877509 (0xFFC19845)
YUV	154.7970, -42.2979, 33.5040
Hunter-Lab	58.5009, 2.2643, 30.3811

Details

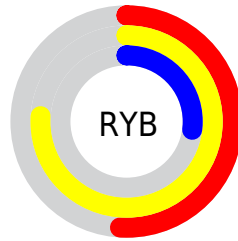
The Yxy color **34.2236, 0.4344, 0.4335** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.2671, 0.2039, 0.1879**, and the grayscale version is **32.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1941, 0.4129, 0.4166**, and **14.5790, 0.4657, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **32.0073, 0.4539, 0.4432**, and if you desaturate by 10%, it is **36.6326, 0.4137, 0.4203**.

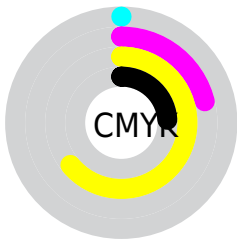
Distribution



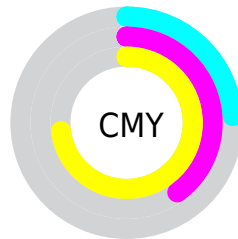
- Red (76%)
- Green (60%)
- Blue (27%)



- Red (51%)
- Yellow (76%)
- Blue (27%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (24%)




- Cyan (24%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2236, 0.4344, 0.4335 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 34.2236, 0.4344, 0.4335 by changing the saturation by 10% instead.

 34.2236, 0.4344,
0.4335


 34.2236, 0.4344,
0.4335


321.1279, 0.3733,
0.3830


 23.0654, 0.4484,
0.4442


 66.2812, 0.4128,
0.4163


 14.6418, 0.4651,
0.4563


 87.9495, 0.4045,
0.4094


 8.5684, 0.4845,
0.4689


 113.8899, 0.3973,
0.4034

 4.4608, 0.5131,
0.4869

 144.4868, 0.3912,
0.3983

 1.9345, 0.5213,
0.4787

 180.1247, 0.3858,
0.3937

 0.5690, 0.5490,
0.4510

221.1879, 0.3811,

 0.0000, 0.0000,

0.3897

0.0000

268.0609, 0.3770,
0.3862

■ 34.2236, 0.4344,
0.4335

■ 34.2236, 0.4344,
0.4335

■ 32.0073, 0.4539,
0.4432

■ 36.6326, 0.4137,
0.4203

■ 29.9691, 0.4712,
0.4483

■ 39.2378, 0.3928,
0.4046

■ 28.0994, 0.4855,
0.4484

■ 42.0487, 0.3725,
0.3876

■ 27.0884, 0.4928,
0.4469

■ 45.0723, 0.3532,
0.3700

■ 48.3154, 0.3354,
0.3526

■ 51.7843, 0.3191,
0.3359

■ 55.4848, 0.3045,
0.3200

■ 59.4228, 0.2913,
0.3051

■ 63.6035, 0.2796,
0.2914

Harmonies

Analogous

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



34.2236, 0.4622, 0.3812



34.2236, 0.4344, 0.4335



34.2236, 0.3754, 0.4662

Triad

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



34.2236, 0.4344, 0.4335



34.2236, 0.1953, 0.3107



34.2236, 0.3074, 0.2359

Complementary

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



34.2236, 0.4344, 0.4335



16.2671, 0.2039, 0.1879

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.



34.2236, 0.2404, 0.2161



34.2236, 0.4344, 0.4335



34.2236, 0.1824, 0.2501

Square

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



34.2236, 0.4344, 0.4335



34.2236, 0.2377, 0.3909



34.2236, 0.1977, 0.2195



34.2236, 0.3849, 0.2745

Rectangle

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



34.2236, 0.4344, 0.4335



34.2236, 0.3277, 0.4644



34.2236, 0.1977, 0.2195



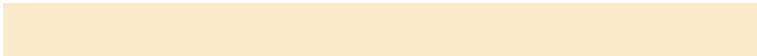
34.2236, 0.2829, 0.2270

Sweetspot

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



34.2253, 0.4344, 0.4335



83.5506, 0.3442, 0.3614



16.7273, 0.4467, 0.2772



17.5687, 0.3494, 0.3664



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



34.2253, 0.4344, 0.4335



55.8431, 0.4611, 0.4458



47.3775, 0.3822, 0.4863



11.1790, 0.3273, 0.3444



18.1687, 0.4916, 0.4479



0.9069, 0.4717, 0.4637

Inverse Universe

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



16.2671, 0.2039, 0.1879



21.4773, 0.1837, 0.1529



10.2642, 0.2049, 0.1319



10.2799, 0.2984, 0.3132



5.1173, 0.1636, 0.1090



0.3491, 0.1766, 0.1557

Previews

White Background



This preview shows how the Yxy color 34.2236, 0.4344, 0.4335 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 34.2236, 0.4344, 0.4335 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 34.2236, 0.4344, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 34.2236, 0.4344, 0.4335.



This preview shows how white text looks on a background with the Yxy color 34.2236, 0.4344, 0.4335.

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

34.2236, 0.4344, 0.4335

Protanopia

34.4813, 0.4089, 0.4485

Deuteranopia

34.2987, 0.4384, 0.4308



Tritanopia

34.2574, 0.3627, 0.3148

Trichromacy



Original Color

34.2236, 0.4344, 0.4335

Protanomaly

34.1642, 0.4185, 0.4429

Deuteranomaly

34.1650, 0.4374, 0.4313

Tritanomaly

33.8581, 0.3921, 0.3599

Monochromacy



Original Color

34.2236, 0.4344, 0.4335

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.0015, 0.3572, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2236, 0.4344, 0.4335 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(193, 152, 69)` looks like.

```
.text, #text, p{  
    color:rgb(193, 152, 69)  
}
```

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(193, 152, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 152, 69) }
```

Border

The CSS property to change the border of an element to Yxy 34.2236, 0.4344, 0.4335 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(193, 152, 69) }
```

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

```
.border{ border-color:rgb(193, 152, 69) }
```

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

Here you see how a box with a 4 pixel rgb(193, 152, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 152, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 152, 69);  
box-shadow:4px 4px 4px 4px rgb(193, 152,  
69) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 34.2236, 0.4344, 0.4335$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 152, 69) }
```

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

```
.background{ background-color: rgb(193,  
152, 69) }
```

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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