

Converting Colors

$Yxy(34.3394, 0.4431, 0.4824)$

Have a look what the booklet for
Yxy(34.3394, 0.4431, 0.4824)
contains.

Yxy(34.4253, 0.4427, 0.4826)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4253, 0.4427, 0.4826)

Conversions

Conversions Part 1

Format	Color
Hex	B69E0C
RGB	182, 158, 12
RGB Percent	71%, 62%, 5%
CMY	0.2864, 0.3803, 0.9528
CMYK	0.00, 0.13, 0.93, 0.29
HSL	52°, 88%, 38%
HSV	52°, 93%, 71%
XYZ	31.5791, 34.4253, 5.3286
YIQ	148.5320, 61.1700, -40.3180

Conversions

Conversions Part 2

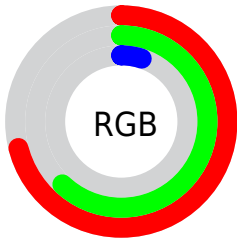
Format	Color
RYB	40, 182, 12
Decimal	11968012
CIELab	65.30, -4.12, 67.01
CIELCh	65, 67.141, 93.520
Yxy	34.4253, 0.4427, 0.4826
Android (android.graphics.Color)	4290158092 (0xFFB69E0C)
YUV	148.5320, -67.3103, 29.3514
Hunter-Lab	58.6731, -6.6053, 35.6866

Details

The Yxy color **34.4253, 0.4427, 0.4826** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.7147, 0.1574, 0.0805**, and the grayscale version is **30.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5287, 0.4244, 0.4585**, and **14.8005, 0.4447, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **33.8261, 0.4465, 0.4837**, and if you desaturate by 10%, it is **35.3795, 0.4353, 0.4784**.

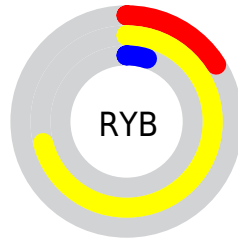
Distribution



Red (71%)

Green (62%)

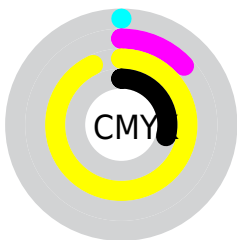
Blue (5%)



Red (16%)

Yellow (71%)

Blue (5%)

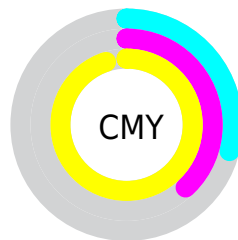


Cyan (0%)

Magenta (13%)

Yellow (93%)

Black (29%)



Cyan (29%)


Magenta (38%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4253, 0.4427, 0.4826 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 34.4253, 0.4427, 0.4826 by changing the saturation by 10% instead.

 34.4253, 0.4427,
0.4826

 34.4253, 0.4427,
0.4826


322.0243, 0.3834,
0.4102

 23.2205, 0.4529,
0.4962


 66.5945, 0.4240,
0.4590


 14.7564, 0.4628,
0.5104

 88.3277, 0.4160,
0.4492

 8.6486, 0.4732,
0.5268


 114.3392, 0.4089,
0.4406

 4.5127, 0.4698,
0.5302

 145.0133, 0.4026,
0.4330

 1.9643, 0.4641,
0.5359

 180.7345, 0.3970,
0.4262

 0.5866, 0.4379,
0.5621

 221.8871, 0.3919,

 0.0000, 0.0000,

0.4203

0.0000

268.8556, 0.3874,
0.4150

34.4253, 0.4427,
0.4826

34.4253, 0.4427,
0.4826

33.8261, 0.4465,
0.4837

35.3795, 0.4353,
0.4784

36.4041, 0.4252,
0.4698

37.5089, 0.4126,
0.4570

38.7008, 0.3980,
0.4405

39.9857, 0.3822,
0.4214

■ 41.3690, 0.3657,
0.4005

■ 42.8554, 0.3491,
0.3789

■ 44.4494, 0.3330,
0.3571

■ 46.1552, 0.3177,
0.3360

Harmonies

Analogous

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



34.4253, 0.5026, 0.4135



34.4253, 0.4427, 0.4826



34.4253, 0.3548, 0.5220

Triad

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



34.4253, 0.4427, 0.4826



34.4253, 0.1498, 0.2656



34.4253, 0.3415, 0.2235

Complementary

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



34.4253, 0.4427, 0.4826



4.7147, 0.1574, 0.0805

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.



34.4253, 0.2439, 0.1898



34.4253, 0.4427, 0.4826



34.4253, 0.1483, 0.2040

Square

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



34.4253, 0.4427, 0.4826



34.4253, 0.1869, 0.3717



34.4253, 0.1790, 0.1818



34.4253, 0.4460, 0.2776

Rectangle

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



34.4253, 0.4427, 0.4826



34.4253, 0.2915, 0.5067



34.4253, 0.1790, 0.1818



34.4253, 0.3063, 0.2096

Sweetspot

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



34.4270, 0.4427, 0.4826



76.3331, 0.3575, 0.3899



10.3415, 0.6015, 0.3148



16.6071, 0.3647, 0.3992



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.



34.4270, 0.4427, 0.4826



61.0861, 0.4470, 0.4833



37.6425, 0.3615, 0.5469



10.2817, 0.3267, 0.3485



23.9703, 0.4461, 0.4840



0.9048, 0.4382, 0.4902

Inverse Universe

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



4.7147, 0.1574, 0.0805



7.2346, 0.1527, 0.0696



4.9984, 0.1843, 0.0822



8.9183, 0.2984, 0.3087



2.9560, 0.1535, 0.0726



0.1699, 0.1639, 0.1100

Previews

White Background



This preview shows how the Yxy color 34.4253, 0.4427, 0.4826 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 34.4253, 0.4427, 0.4826 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 34.4253, 0.4427, 0.4826

Background



This preview shows how black text looks on a background with the Yxy color 34.4253, 0.4427, 0.4826.



This preview shows how white text looks on a background with the Yxy color 34.4253, 0.4427, 0.4826.

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

34.4253, 0.4427, 0.4826

Protanopia

34.4090, 0.4384, 0.4856

Deuteranopia

34.1500, 0.4679, 0.4582



Tritanopia

34.4124, 0.3479, 0.3143

Trichromacy



Original Color

34.4253, 0.4427, 0.4826

Protanomaly

34.5286, 0.4394, 0.4848

Deuteranomaly

34.1636, 0.4584, 0.4676

Tritanomaly

33.8445, 0.3982, 0.3922

Monochromacy



Original Color

34.4253, 0.4427, 0.4826

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.9344, 0.3737, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4253, 0.4427, 0.4826 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, 158, 12)` looks like.

```
.text, #text, p{  
    color:rgb(182, 158, 12)  
}
```

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, 158, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 158, 12) }
```

Border

The CSS property to change the border of an element to Yxy 34.4253, 0.4427, 0.4826 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, 158, 12) }
```

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

```
.border{ border-color:rgb(182, 158, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 158, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 158, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 158, 12);  
box-shadow:4px 4px 4px 4px rgb(182, 158,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4253, 0.4427, 0.4826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 158, 12) }
```

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

```
.background{ background-color: rgb(182,  
158, 12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor