

Converting Colors

$Y_{xy}(34.7581, 0.3617, 0.5159)$

Have a look what the booklet for
Yxy(34.7581, 0.3617, 0.5159)
contains.

Yxy(34.6897, 0.3624, 0.5156)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6897, 0.3624, 0.5156)

Conversions

Conversions Part 1

Format	Color
Hex	80AD30
RGB	128, 173, 48
RGB Percent	50%, 68%, 19%
CMY	0.4979, 0.3216, 0.8117
CMYK	0.26, 0.00, 0.72, 0.32
HSL	82°, 57%, 43%
HSV	82°, 72%, 68%
XYZ	24.3824, 34.6897, 8.2082
YIQ	145.2950, 13.3050, -48.4150

Conversions

Conversions Part 2

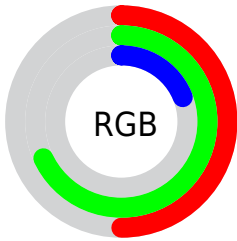
Format	Color
RYB	48, 173, 93
Decimal	8432944
CIELab	65.51, -33.62, 56.04
CIELCh	66, 65.353, 120.962
Yxy	34.6897, 0.3624, 0.5156
Android (android.graphics.Color)	4286623024 (0xFF80AD30)
YUV	145.2950, -47.9664, -15.1677
Hunter-Lab	58.8980, -29.1767, 32.9657

Details

The Yxy color **34.6897, 0.3624, 0.5156** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.4587, 0.2155, 0.1226**, and the grayscale version is **28.6402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1883, 0.3578, 0.4790**, and **14.8888, 0.3560, 0.5555** is the 20% darker color. If you saturate the color by 10%, you get **34.1070, 0.3627, 0.5335**, and if you desaturate by 10%, it is **35.3608, 0.3598, 0.4935**.

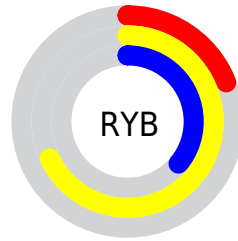
Distribution



Red (50%)

Green (68%)

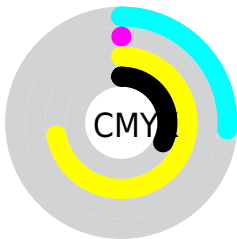
Blue (19%)



Red (19%)

Yellow (68%)

Blue (36%)

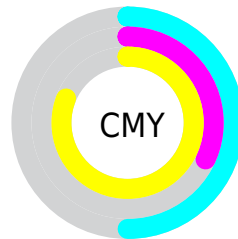


Cyan (26%)

Magenta (0%)

Yellow (72%)

Black (32%)



Cyan (50%)


Magenta (32%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6897, 0.3624, 0.5156 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 34.6897, 0.3624, 0.5156 by changing the saturation by 10% instead.


 34.6897, 0.3624,
0.5156


 34.6897, 0.3624,
0.5156


323.1966, 0.3435,
0.4156

 23.4239, 0.3635,
0.5409


 67.0048, 0.3578,
0.4785


 14.9069, 0.3622,
0.5724


 88.8229, 0.3553,
0.4647

 8.7540, 0.3580,
0.6165


 114.9273, 0.3530,
0.4531


 4.5811, 0.3373,
0.6627

 145.7023, 0.3507,
0.4433

 2.0036, 0.2881,
0.7119

 181.5323, 0.3487,
0.4349

 0.6096, 0.0000,
1.0000

 222.8018, 0.3468,

 0.0000, 0.0000,

0.4276

0.0000

269.8951, 0.3451,
0.4212

■ 34.6897, 0.3624,
0.5156

■ 34.6897, 0.3624,
0.5156

■ 34.1070, 0.3627,
0.5335

■ 35.3608, 0.3598,
0.4935

■ 33.6007, 0.3605,
0.5465

■ 36.1220, 0.3550,
0.4683

■ 33.2497, 0.3578,
0.5541

■ 36.9803, 0.3485,
0.4411

■ 37.9410, 0.3408,
0.4133

■ 39.0084, 0.3324,
0.3858

■ 40.1870, 0.3236,
0.3593

■ 41.4808, 0.3147,
0.3344

■ 42.8936, 0.3060,
0.3113

■ 44.4289, 0.2977,
0.2901

Harmonies

Analogous

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



34.6897, 0.4466, 0.4743



34.6897, 0.3624, 0.5156



34.6897, 0.2704, 0.4846

Triad

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



34.6897, 0.3624, 0.5156



34.6897, 0.1508, 0.2107



34.6897, 0.4345, 0.2740

Complementary

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



34.6897, 0.3624, 0.5156



7.4587, 0.2155, 0.1226

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.



34.6897, 0.3320, 0.2223



34.6897, 0.3624, 0.5156



34.6897, 0.1782, 0.1858

Square

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



34.6897, 0.3624, 0.5156



34.6897, 0.1552, 0.2750



34.6897, 0.2390, 0.1912



34.6897, 0.5004, 0.3377

Rectangle

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



34.6897, 0.3624, 0.5156



34.6897, 0.2168, 0.4194



34.6897, 0.2390, 0.1912



34.6897, 0.4020, 0.2550

Sweetspot

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



34.6912, 0.3624, 0.5156



69.8361, 0.3325, 0.3861



16.7102, 0.4997, 0.3871



15.0650, 0.3348, 0.3932



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.6912, 0.3624, 0.5156



60.5012, 0.3616, 0.5423



31.2849, 0.3121, 0.5492



9.1839, 0.3209, 0.3518



24.4605, 0.3584, 0.5536



0.7098, 0.3774, 0.5385

Inverse Universe

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



7.4587, 0.2155, 0.1226



8.9670, 0.1921, 0.0900



12.0269, 0.2942, 0.1610



7.8922, 0.3040, 0.3060



3.0045, 0.1798, 0.0764



0.1149, 0.2166, 0.0967

Previews

White Background



This preview shows how the Yxy color 34.6897, 0.3624, 0.5156 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 34.6897, 0.3624, 0.5156 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 34.6897, 0.3624, 0.5156

Background



This preview shows how black text looks on a background with the Yxy color 34.6897, 0.3624, 0.5156.



This preview shows how white text looks on a background with the Yxy color 34.6897, 0.3624, 0.5156.

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

34.6897, 0.3624, 0.5156

Protanopia

34.4431, 0.4273, 0.4716

Deuteranopia

34.4344, 0.4488, 0.4404



Tritanopia

34.3854, 0.2854, 0.3095

Trichromacy



Original Color

34.6897, 0.3624, 0.5156

Protanomaly

34.2140, 0.4032, 0.4884

Deuteranomaly

33.9469, 0.4168, 0.4670

Tritanomaly

33.8721, 0.3192, 0.3885

Monochromacy



Original Color

34.6897, 0.3624, 0.5156

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.0574, 0.3382, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6897, 0.3624, 0.5156 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(128, 173, 48)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 48)  
}
```

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(128, 173, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 48) }
```

Border

The CSS property to change the border of an element to Yxy 34.6897, 0.3624, 0.5156 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(128, 173, 48) }
```

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

```
.border{ border-color:rgb(128, 173, 48) }
```

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

Here you see how a box with a 4 pixel rgb(128, 173, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 48);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6897, 0.3624, 0.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 48) }
```

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

```
.background{ background-color: rgb(128,  
173, 48) }
```

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