

Converting Colors

$Y_{xy}(12.1842, 0.3463, 0.4665)$

Have a look what the booklet for
Yxy(12.1842, 0.3463, 0.4665)
contains.

Yxy(12.2877, 0.3466, 0.4669)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2877, 0.3466, 0.4669)

Conversions

Conversions Part 1

Format	Color
Hex	516A32
RGB	81, 106, 50
RGB Percent	32%, 42%, 20%
CMY	0.6824, 0.5843, 0.8039
CMYK	0.24, 0.00, 0.53, 0.58
HSL	87°, 36%, 31%
HSV	87°, 53%, 42%
XYZ	9.1217, 12.2877, 4.9082
YIQ	92.1410, 3.0760, -22.7160

Conversions

Conversions Part 2

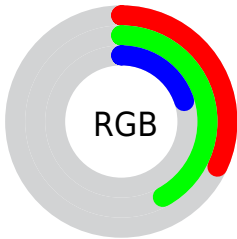
Format	Color
RYB	50, 106, 75
Decimal	5335602
CIELab	41.67, -19.66, 28.25
CIELCh	42, 34.418, 124.830
Yxy	12.2877, 0.3466, 0.4669
Android (android.graphics.Color)	4283525682 (0xFF516A32)
YUV	92.1410, -20.7755, -9.7707
Hunter-Lab	35.0538, -14.8950, 16.2359

Details

The Yxy color **12.2877, 0.3466, 0.4669** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.8188, 0.2588, 0.1876**, and the grayscale version is **10.7843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9013, 0.3409, 0.4287**, and **3.4746, 0.3526, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **12.0051, 0.3501, 0.4929**, and if you desaturate by 10%, it is **12.6072, 0.3416, 0.4396**.

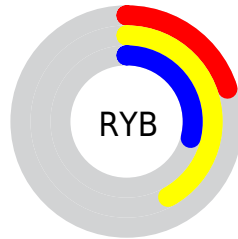
Distribution



Red (32%)

Green (42%)

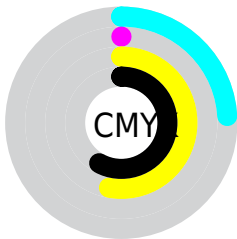
Blue (20%)



Red (20%)

Yellow (42%)

Blue (29%)

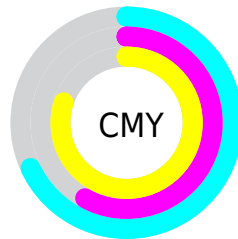


Cyan (24%)

Magenta (0%)

Yellow (53%)

Black (58%)



Cyan (68%)


Magenta (58%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2877, 0.3466, 0.4669 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 12.2877, 0.3466, 0.4669 by changing the saturation by 10% instead.


 12.2877, 0.3466,
0.4669


 12.2877, 0.3466,
0.4669


 206.3007, 0.3289,
0.3802

 6.9399, 0.3496,
0.4973


 30.0180, 0.3406,
0.4296

 3.4246, 0.3524,
0.5460

 43.1694, 0.3381,
0.4175


 1.3572, 0.3553,
0.6447

 59.6907, 0.3360,
0.4080

 0.1849, 0.0000,
1.0000

 79.9664, 0.3341,
0.4003

 0.0000, 0.0000,
0.0000

 104.3808, 0.3325,
0.3939

 133.3184, 0.3312,

0.3886

167.1636, 0.3300,
0.3841

■ 12.2877, 0.3466,
0.4669

■ 12.2877, 0.3466,
0.4669

■ 12.0051, 0.3501,
0.4929

■ 12.6072, 0.3416,
0.4396

■ 11.7560, 0.3519,
0.5165

■ 12.9635, 0.3356,
0.4120

■ 11.5390, 0.3516,
0.5364

■ 13.3588, 0.3289,
0.3851

■ 11.3513, 0.3493,
0.5519

■ 13.7945, 0.3219,
0.3595

■ 11.2283, 0.3474,
0.5623

■ 14.2719, 0.3147,
0.3355

■ 14.7922, 0.3077,
0.3133

■ 15.3567, 0.3009,
0.2931

■ 15.9665, 0.2944,
0.2748

■ 16.6227, 0.2883,
0.2583

Harmonies

Analogous

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



12.2877, 0.4127, 0.4497



12.2877, 0.3466, 0.4669



12.2877, 0.2752, 0.4327

Triad

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



12.2877, 0.3466, 0.4669



12.2877, 0.1860, 0.2348



12.2877, 0.4123, 0.2944

Complementary

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



12.2877, 0.3466, 0.4669



4.8188, 0.2588, 0.1876

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.



12.2877, 0.3387, 0.2501



12.2877, 0.3466, 0.4669



12.2877, 0.2124, 0.2158

Square

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



12.2877, 0.3466, 0.4669



12.2877, 0.1874, 0.2831



12.2877, 0.2654, 0.2222



12.2877, 0.4566, 0.3478

Rectangle

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



12.2877, 0.3466, 0.4669



12.2877, 0.2343, 0.3848



12.2877, 0.2654, 0.2222



12.2877, 0.3896, 0.2782

Sweetspot

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



12.2882, 0.3466, 0.4669



23.9222, 0.3244, 0.3685



8.2284, 0.4210, 0.3854



5.5780, 0.3254, 0.3722



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.2882, 0.3466, 0.4669



20.9785, 0.3506, 0.4977



11.3167, 0.3096, 0.4841



3.5195, 0.3191, 0.3500



13.9124, 0.3467, 0.5629



70.3686, 0.3430, 0.5659

Inverse Universe

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



4.8188, 0.2588, 0.1876



6.3489, 0.2428, 0.1552



6.1626, 0.3110, 0.2071



3.0852, 0.3059, 0.3079



2.0326, 0.1963, 0.0855



9.8566, 0.1907, 0.0824

Previews

White Background



This preview shows how the Yxy color 12.2877, 0.3466, 0.4669 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.2877, 0.3466, 0.4669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2877, 0.3466, 0.4669

Background



This preview shows how black text looks on a background with the Yxy color 12.2877, 0.3466, 0.4669.



This preview shows how white text looks on a background with the Yxy color 12.2877, 0.3466, 0.4669.

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

12.2877, 0.3466, 0.4669

Protanopia

12.1918, 0.4020, 0.4380

Deuteranopia

12.0788, 0.4180, 0.4104



Tritanopia

12.3209, 0.2870, 0.3106

Trichromacy



Original Color

12.2877, 0.3466, 0.4669

Protanomaly

12.1734, 0.3812, 0.4491

Deuteranomaly

12.0475, 0.3907, 0.4306

Tritanomaly

12.1693, 0.3096, 0.3654

Monochromacy



Original Color

12.2877, 0.3466, 0.4669

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1599, 0.3271, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2877, 0.3466, 0.4669 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(81, 106, 50)` looks like.

```
.text, #text, p{  
    color:rgb(81, 106, 50)  
}
```

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(81, 106, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 106, 50) }
```

Border

The CSS property to change the border of an element to Yxy 12.2877, 0.3466, 0.4669 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(81, 106, 50) }
```

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

```
.border{ border-color:rgb(81, 106, 50) }
```

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

Here you see how a box with a 4 pixel rgb(81, 106, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 106, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 106, 50);  
box-shadow:4px 4px 4px 4px rgb(81, 106,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2877, 0.3466, 0.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 106, 50) }
```

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

```
.background{ background-color: rgb(81, 106,  
50) }
```

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