

Converting Colors

$Y_{xy}(12.9431, 0.3636, 0.4889)$

Have a look what the booklet for
Yxy(12.9431, 0.3636, 0.4889)
contains.

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Color

Yxy(12.8500, 0.3636, 0.4884)

Conversions

Conversions Part 1

Format	Color
Hex	566C27
RGB	86, 108, 39
RGB Percent	34%, 42%, 15%
CMY	0.6627, 0.5765, 0.8471
CMYK	0.20, 0.00, 0.64, 0.58
HSL	79°, 47%, 29%
HSV	79°, 64%, 42%
XYZ	9.5665, 12.8500, 3.8939
YIQ	93.5560, 9.0370, -26.1230

Conversions

Conversions Part 2

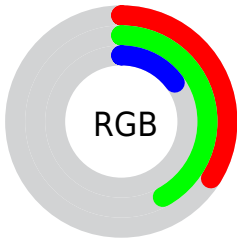
Format	Color
RYB	39, 108, 61
Decimal	5663783
CIELab	42.54, -19.73, 35.03
CIELCh	43, 40.206, 119.389
Yxy	12.8500, 0.3636, 0.4884
Android (android.graphics.Color)	4283853863 (0xFF566C27)
YUV	93.5560, -26.8961, -6.6266
Hunter-Lab	35.8469, -15.0958, 18.6523

Details

The Yxy color **12.8500, 0.3636, 0.4884** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.5243, 0.2282, 0.1502**, and the grayscale version is **11.1462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2330, 0.3552, 0.4478**, and **3.6438, 0.3640, 0.5492** is the 20% darker color. If you saturate the color by 10%, you get **12.6294, 0.3671, 0.5092**, and if you desaturate by 10%, it is **13.1000, 0.3582, 0.4648**.

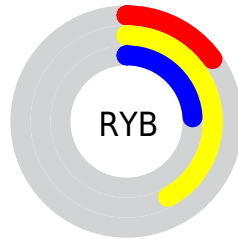
Distribution



Red (34%)

Green (42%)

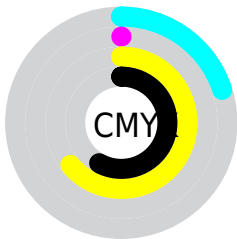
Blue (15%)



Red (15%)

Yellow (42%)

Blue (24%)

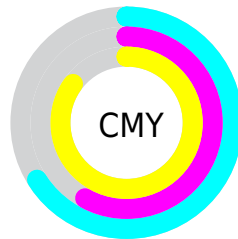


Cyan (20%)

Magenta (0%)

Yellow (64%)

Black (58%)



Cyan (66%)


Magenta (58%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8500, 0.3636, 0.4884 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 12.8500, 0.3636, 0.4884 by changing the saturation by 10% instead.

 12.8500, 0.3636,
0.4884


 12.8500, 0.3636,
0.4884


209.9541, 0.3373,
0.3898


 7.3253, 0.3678,
0.5208


 31.0340, 0.3548,
0.4470


 3.6664, 0.3774,
0.5803

 44.4622, 0.3511,
0.4332

 1.4887, 0.3600,
0.6400

 61.2937, 0.3479,
0.4222

 0.2808, 0.0000,
1.0000

 81.9128, 0.3451,
0.4132

 0.0000, 0.0000,
0.0000

 106.7040, 0.3428,
0.4059

 136.0517, 0.3407,

0.3996

170.3403, 0.3389,
0.3943

■ 12.8500, 0.3636,
0.4884

■ 12.8500, 0.3636,
0.4884

■ 12.6294, 0.3671,
0.5092

■ 13.1000, 0.3582,
0.4648

■ 12.4346, 0.3683,
0.5264

■ 13.3794, 0.3513,
0.4394

■ 12.2633, 0.3675,
0.5395

■ 13.6903, 0.3432,
0.4132

■ 12.1647, 0.3667,
0.5470

■ 14.0340, 0.3345,
0.3872

■ 14.4120, 0.3254,
0.3619

■ 14.8254, 0.3162,
0.3380

■ 15.2754, 0.3073,
0.3155

■ 15.7630, 0.2987,
0.2948

■ 16.2894, 0.2905,
0.2759

Harmonies

Analogous

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



12.8500, 0.4357, 0.4561



12.8500, 0.3636, 0.4884



12.8500, 0.2824, 0.4625

Triad

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



12.8500, 0.3636, 0.4884



12.8500, 0.1686, 0.2286



12.8500, 0.4133, 0.2790

Complementary

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



12.8500, 0.3636, 0.4884



3.5243, 0.2282, 0.1502

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.



12.8500, 0.3256, 0.2330



12.8500, 0.3636, 0.4884



12.8500, 0.1921, 0.2031

Square

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



12.8500, 0.3636, 0.4884



12.8500, 0.1751, 0.2884



12.8500, 0.2455, 0.2061



12.8500, 0.4726, 0.3366

Rectangle

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



12.8500, 0.3636, 0.4884



12.8500, 0.2340, 0.4104



12.8500, 0.2455, 0.2061



12.8500, 0.3853, 0.2620

Sweetspot

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



12.8506, 0.3636, 0.4884



24.9211, 0.3305, 0.3760



6.6550, 0.4656, 0.3774



5.9972, 0.3325, 0.3816



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.8506, 0.3636, 0.4884



21.9886, 0.3680, 0.5186



11.5925, 0.3167, 0.5152



3.5376, 0.3208, 0.3499



14.4942, 0.3662, 0.5474



73.3744, 0.3632, 0.5498

Inverse Universe

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



3.5243, 0.2282, 0.1502



4.1298, 0.2045, 0.1116



4.9843, 0.2936, 0.1787



3.0676, 0.3041, 0.3078



1.6920, 0.1762, 0.0744



8.2013, 0.1710, 0.0716

Previews

White Background



This preview shows how the Yxy color 12.8500, 0.3636, 0.4884 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 12.8500, 0.3636, 0.4884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

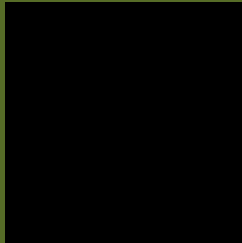
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.8500, 0.3636, 0.4884

Background



This preview shows how black text looks on a background with the Yxy color 12.8500, 0.3636, 0.4884.



This preview shows how white text looks on a background with the Yxy color 12.8500, 0.3636, 0.4884.

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

12.8500, 0.3636, 0.4884

Protanopia

12.6927, 0.4155, 0.4557

Deuteranopia

12.6439, 0.4348, 0.4281



Tritanopia

12.7912, 0.2925, 0.3110

Trichromacy



Original Color

12.8500, 0.3636, 0.4884

Protanomaly

12.7240, 0.3963, 0.4671

Deuteranomaly

12.5965, 0.4070, 0.4495

Tritanomaly

12.7649, 0.3204, 0.3765

Monochromacy



Original Color

12.8500, 0.3636, 0.4884

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.6422, 0.3354, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8500, 0.3636, 0.4884 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(86, 108, 39)` looks like.

```
.text, #text, p{  
    color:rgb(86, 108, 39)  
}
```

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(86, 108, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 108, 39) }
```

Border

The CSS property to change the border of an element to Yxy 12.8500, 0.3636, 0.4884 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(86, 108, 39) }
```

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

```
.border{ border-color:rgb(86, 108, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 108, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 108, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 108, 39);  
box-shadow:4px 4px 4px 4px rgb(86, 108,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8500, 0.3636, 0.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 108, 39) }
```

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

```
.background{ background-color: rgb(86, 108,  
39) }
```

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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