

Converting Colors

$Y_{xy}(12.9357, 0.3669, 0.4898)$

Have a look what the booklet for
Yxy(12.9357, 0.3669, 0.4898)
contains.

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Color

Yxy(12.8913, 0.3660, 0.4893)

Conversions

Conversions Part 1

Format	Color
Hex	576C26
RGB	87, 108, 38
RGB Percent	34%, 42%, 15%
CMY	0.6588, 0.5765, 0.8510
CMYK	0.19, 0.00, 0.65, 0.58
HSL	78°, 48%, 29%
HSV	78°, 65%, 42%
XYZ	9.6428, 12.8913, 3.8123
YIQ	93.7410, 9.9540, -26.2220

Conversions

Conversions Part 2

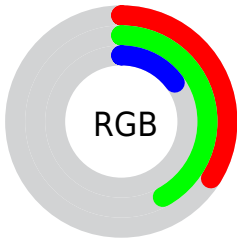
Format	Color
R_{YB}	38, 108, 59
Decimal	5729318
CIE _{Lab}	42.60, -19.38, 35.60
CIE _{LCh}	43, 40.538, 118.566
Yxy	12.8913, 0.3660, 0.4893
Android (android.graphics.Color)	4283919398 (0xFF576C26)
YUV	93.7410, -27.4803, -5.9119
Hunter-Lab	35.9045, -14.8934, 18.8377

Details

The Yxy color **12.8913, 0.3660, 0.4893** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.3974, 0.2245, 0.1466**, and the grayscale version is **11.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9571, 0.3575, 0.4476**, and **3.6631, 0.3664, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **12.6796, 0.3696, 0.5095**, and if you desaturate by 10%, it is **13.1314, 0.3605, 0.4662**.

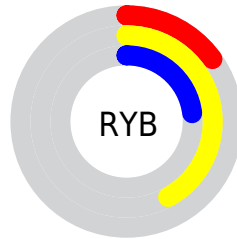
Distribution



Red (34%)

Green (42%)

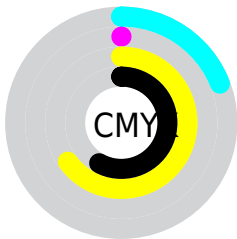
Blue (15%)



Red (15%)

Yellow (42%)

Blue (23%)

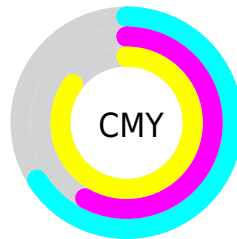


Cyan (19%)

Magenta (0%)

Yellow (65%)

Black (58%)



Cyan (66%)


Magenta (58%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8913, 0.3660, 0.4893 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 12.8913, 0.3660, 0.4893 by changing the saturation by 10% instead.


 12.8913, 0.3660,
0.4893


 12.8913, 0.3660,
0.4893


210.2198, 0.3383,
0.3903


 7.3537, 0.3704,
0.5215


 31.1084, 0.3567,
0.4479


 3.6843, 0.3813,
0.5817

 44.5567, 0.3528,
0.4340

 1.4986, 0.3626,
0.6374

 61.4106, 0.3495,
0.4230

 0.2877, 0.0000,
1.0000

 82.0547, 0.3466,
0.4140

 0.0000, 0.0000,
0.0000

 106.8733, 0.3441,
0.4065

 136.2507, 0.3419,

0.4003

170.5715, 0.3400,
0.3949

12.8913, 0.3660,
0.4893

12.8913, 0.3660,
0.4893

12.6796, 0.3696,
0.5095

13.1314, 0.3605,
0.4662

12.4926, 0.3709,
0.5259

13.3999, 0.3533,
0.4412

12.3275, 0.3702,
0.5384

13.6988, 0.3451,
0.4153

12.2462, 0.3697,
0.5447

14.0296, 0.3360,
0.3894

14.3935, 0.3266,
0.3642

■ 14.7918, 0.3172,
0.3401

■ 15.2256, 0.3080,
0.3175

■ 15.6960, 0.2991,
0.2966

■ 16.2040, 0.2906,
0.2775

Harmonies

Analogous

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



12.8913, 0.4381, 0.4554



12.8913, 0.3660, 0.4893



12.8913, 0.2843, 0.4652

Triad

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



12.8913, 0.3660, 0.4893



12.8913, 0.1675, 0.2291



12.8913, 0.4118, 0.2772

Complementary

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



12.8913, 0.3660, 0.4893



3.3974, 0.2245, 0.1466

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.



12.8913, 0.3232, 0.2314



12.8913, 0.3660, 0.4893



12.8913, 0.1903, 0.2027

Square

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



12.8913, 0.3660, 0.4893



12.8913, 0.1749, 0.2902



12.8913, 0.2432, 0.2049



12.8913, 0.4727, 0.3349

Rectangle

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



12.8913, 0.3660, 0.4893



12.8913, 0.2352, 0.4136



12.8913, 0.2432, 0.2049



12.8913, 0.3834, 0.2602

Sweetspot

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



12.8919, 0.3660, 0.4893



24.9615, 0.3311, 0.3759



6.3365, 0.4727, 0.3726



6.0079, 0.3331, 0.3815



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.



12.8919, 0.3660, 0.4893



22.0805, 0.3706, 0.5186



11.6267, 0.3193, 0.5164



3.5402, 0.3211, 0.3499



14.5917, 0.3693, 0.5450



73.8838, 0.3664, 0.5473

Inverse Universe

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



3.3974, 0.2245, 0.1466



3.9521, 0.2005, 0.1081



4.7865, 0.2884, 0.1748



3.0651, 0.3039, 0.3078



1.6520, 0.1737, 0.0731



8.0135, 0.1687, 0.0703

Previews

White Background



This preview shows how the Yxy color 12.8913, 0.3660, 0.4893 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 12.8913, 0.3660, 0.4893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

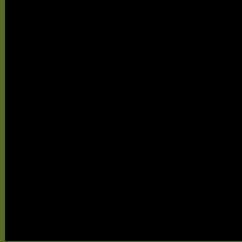
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8913, 0.3660, 0.4893

Background



This preview shows how black text looks on a background with the Yxy color 12.8913, 0.3660, 0.4893.



This preview shows how white text looks on a background with the Yxy color 12.8913, 0.3660, 0.4893.

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

12.8913, 0.3660, 0.4893

Protanopia

12.8795, 0.4151, 0.4588

Deuteranopia

12.7116, 0.4375, 0.4289



Tritanopia

12.8444, 0.2939, 0.3111

Trichromacy



Original Color

12.8913, 0.3660, 0.4893

Protanomaly

12.9178, 0.3960, 0.4703

Deuteranomaly

12.6539, 0.4097, 0.4503

Tritanomaly

12.8005, 0.3232, 0.3787

Monochromacy



Original Color

12.8913, 0.3660, 0.4893

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 12.8913, 0.3660, 0.4893 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(87, 108, 38)` looks like.

```
.text, #text, p{  
    color:rgb(87, 108, 38)  
}
```

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(87, 108, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 108, 38) }
```

Border

The CSS property to change the border of an element to Yxy 12.8913, 0.3660, 0.4893 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(87, 108, 38) }
```

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

```
.border{ border-color:rgb(87, 108, 38) }
```

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

Here you see how a box with a 4 pixel rgb(87, 108, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 108, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 108, 38);  
box-shadow:4px 4px 4px 4px rgb(87, 108,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8913, 0.3660, 0.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 108, 38) }
```

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

```
.background{ background-color: rgb(87, 108,  
38) }
```

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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