

Converting Colors

$Y_{xy}(13.5444, 0.3774, 0.5307)$

Have a look what the booklet for
Yxy(13.5444, 0.3774, 0.5307)
contains.

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Color

Yxy(13.5843, 0.3779, 0.5306)

Conversions

Conversions Part 1

Format	Color
Hex	567008
RGB	86, 112, 8
RGB Percent	34%, 44%, 3%
CMY	0.6628, 0.5608, 0.9685
CMYK	0.23, 0.00, 0.93, 0.56
HSL	75°, 87%, 24%
HSV	75°, 93%, 44%
XYZ	9.6749, 13.5843, 2.3426
YIQ	92.3700, 17.8880, -37.8560

Conversions

Conversions Part 2

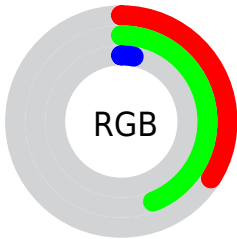
Format	Color
RYB	8, 112, 34
Decimal	5664776
CIELab	43.63, -23.57, 47.19
CIELCh	44, 52.747, 116.545
Yxy	13.5843, 0.3779, 0.5306
Android (android.graphics.Color)	4283854856 (0xFF567008)
YUV	92.3700, -41.5944, -5.5865
Hunter-Lab	36.8569, -17.6434, 22.0314

Details

The Yxy color **13.5843, 0.3779, 0.5306** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.6853, 0.1764, 0.0809**, and the grayscale version is **10.8880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4215, 0.3699, 0.4821**, and **4.0419, 0.3533, 0.5577** is the 20% darker color. If you saturate the color by 10%, you get **13.4733, 0.3776, 0.5384**, and if you desaturate by 10%, it is **13.7508, 0.3776, 0.5186**.

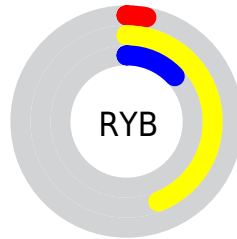
Distribution



Red (34%)

Green (44%)

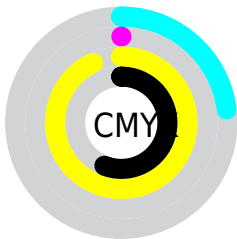
Blue (3%)



Red (3%)

Yellow (44%)

Blue (13%)

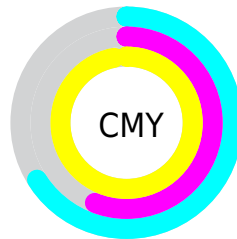


Cyan (23%)

Magenta (0%)

Yellow (93%)

Black (56%)



Cyan (66%)


Magenta (56%)

Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5843, 0.3779, 0.5306 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 13.5843, 0.3779, 0.5306 by changing the saturation by 10% instead.


 13.5843, 0.3779,
0.5306


 13.5843, 0.3779,
0.5306

 214.6292, 0.3478,
0.4092


 7.8321, 0.3792,
0.5662


 32.3496, 0.3699,
0.4818


 3.9877, 0.3784,
0.6216

 46.1315, 0.3657,
0.4647


 1.6667, 0.3401,
0.6599

 63.3587, 0.3618,
0.4509

 0.4019, 0.0000,
1.0000


 84.4157, 0.3583,
0.4395


 0.0000, 0.0000,
0.0000

 109.6869, 0.3552,
0.4300

 139.5566, 0.3524,

0.4220


 174.4092, 0.3500,
0.4151


 13.5843, 0.3779,
0.5306

 13.5843, 0.3779,
0.5306


 13.4733, 0.3776,
0.5384

 13.7508, 0.3776,
0.5186

 13.9399, 0.3751,
0.5024

 14.1547, 0.3703,
0.4825

 14.3973, 0.3636,
0.4598

 14.6695, 0.3554,
0.4353

■ 14.9727, 0.3460,
0.4098

■ 15.3086, 0.3360,
0.3842

■ 15.6784, 0.3258,
0.3593

■ 16.0835, 0.3156,
0.3355

Harmonies

Analogous

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



13.5843, 0.4668, 0.4733



13.5843, 0.3779, 0.5306



13.5843, 0.2785, 0.5147

Triad

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



13.5843, 0.3779, 0.5306



13.5843, 0.1372, 0.2069



13.5843, 0.4312, 0.2594

Complementary

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



13.5843, 0.3779, 0.5306



1.6853, 0.1764, 0.0809

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.



13.5843, 0.3164, 0.2072



13.5843, 0.3779, 0.5306



13.5843, 0.1612, 0.1761

Square

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



13.5843, 0.3779, 0.5306



13.5843, 0.1461, 0.2825



13.5843, 0.2201, 0.1780



13.5843, 0.5126, 0.3253

Rectangle

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



13.5843, 0.3779, 0.5306



13.5843, 0.2185, 0.4482



13.5843, 0.2201, 0.1780



13.5843, 0.3937, 0.2399

Sweetspot

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



13.5849, 0.3779, 0.5306



26.5353, 0.3420, 0.3993



4.6082, 0.5774, 0.3645



6.3277, 0.3454, 0.4081



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.5849, 0.3779, 0.5306



23.6076, 0.3765, 0.5393



11.9477, 0.3149, 0.5788



3.8763, 0.3219, 0.3500



15.5634, 0.3773, 0.5386



77.1062, 0.3749, 0.5405

Inverse Universe

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



1.6853, 0.1764, 0.0809



2.4370, 0.1660, 0.0688



3.3233, 0.2657, 0.1289



3.3371, 0.3031, 0.3075



1.6283, 0.1675, 0.0697



7.7579, 0.1632, 0.0672

Previews

White Background



This preview shows how the Yxy color 13.5843, 0.3779, 0.5306 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 13.5843, 0.3779, 0.5306 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 13.5843, 0.3779, 0.5306

Background



This preview shows how black text looks on a background with the Yxy color 13.5843, 0.3779, 0.5306.



This preview shows how white text looks on a background with the Yxy color 13.5843, 0.3779, 0.5306.

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

13.5843, 0.3779, 0.5306

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.5391, 0.4587, 0.4527



Tritanopia

13.5573, 0.2917, 0.3114

Trichromacy



Original Color

13.5843, 0.3779, 0.5306

Protanomaly

13.3179, 0.4167, 0.5046

Deuteranomaly

13.3184, 0.4295, 0.4811

Tritanomaly

13.2851, 0.3340, 0.4068

Monochromacy



Original Color

13.5843, 0.3779, 0.5306

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4343, 0.3516, 0.4223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5843, 0.3779, 0.5306 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, 112, 8)` looks like.

```
.text, #text, p{  
    color:rgb(86, 112, 8)  
}
```

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, 112, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 112, 8) }
```

Border

The CSS property to change the border of an element to Yxy 13.5843, 0.3779, 0.5306 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, 112, 8) }
```

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

```
.border{ border-color:rgb(86, 112, 8) }
```

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

Here you see how a box with a 4 pixel rgb(86, 112, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 112, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 112, 8);  
box-shadow:4px 4px 4px 4px rgb(86, 112, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5843, 0.3779, 0.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 112, 8) }
```

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

```
.background{ background-color: rgb(86, 112,  
8) }
```

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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