

Converting Colors

$Y_{xy}(17.1977, 0.3584, 0.5438)$

Have a look what the booklet for
Yxy(17.1977, 0.3584, 0.5438)
contains.

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Color

Yxy(17.3064, 0.3573, 0.5444)

Conversions

Conversions Part 1

Format	Color
Hex	53800D
RGB	83, 128, 13
RGB Percent	33%, 50%, 5%
CMY	0.6746, 0.4980, 0.9487
CMYK	0.35, 0.00, 0.90, 0.50
HSL	84°, 81%, 28%
HSV	84°, 90%, 50%
XYZ	11.3585, 17.3064, 3.1249
YIQ	101.4350, 10.0950, -45.3050

Conversions

Conversions Part 2

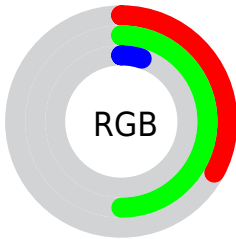
Format	Color
RYB	13, 128, 58
Decimal	5472269
CIELab	48.64, -32.36, 50.22
CIELCh	49, 59.742, 122.792
Yxy	17.3064, 0.3573, 0.5444
Android (android.graphics.Color)	4283662349 (0xFF53800D)
YUV	101.4350, -43.5985, -16.1675
Hunter-Lab	41.6010, -24.0649, 24.6670

Details

The Yxy color **17.3064, 0.3573, 0.5444** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.7509, 0.1984, 0.0942**, and the grayscale version is **13.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8210, 0.3551, 0.4928**, and **5.7401, 0.3301, 0.5761** is the 20% darker color. If you saturate the color by 10%, you get **17.0587, 0.3544, 0.5566**, and if you desaturate by 10%, it is **17.5883, 0.3587, 0.5289**.

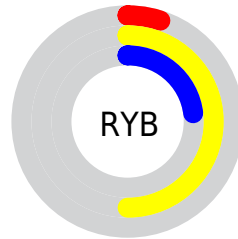
Distribution



Red (33%)

Green (50%)

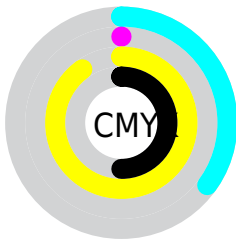
Blue (5%)



Red (5%)

Yellow (50%)

Blue (23%)

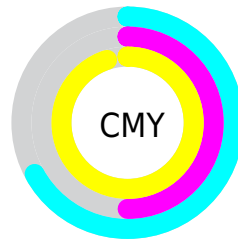


Cyan (35%)

Magenta (0%)

Yellow (90%)

Black (50%)



Cyan (67%)


Magenta (50%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3064, 0.3573, 0.5444 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 17.3064, 0.3573, 0.5444 by changing the saturation by 10% instead.


 17.3064, 0.3573,
0.5444


 17.3064, 0.3573,
0.5444


236.9319, 0.3410,
0.4165


 10.4532, 0.3545,
0.5811


 38.8518, 0.3550,
0.4934


 5.7005, 0.3536,
0.6464

 54.3128, 0.3527,
0.4755


 2.6638, 0.3136,
0.6864

 73.4119, 0.3504,
0.4609

 0.9588, 0.1110,
0.8890

 96.5334, 0.3482,
0.4489

 0.0000, 0.0000,
0.0000

 124.0618, 0.3462,
0.4388


 156.3814, 0.3443,


0.4303


 193.8767, 0.3426,
0.4229


 17.3064, 0.3573,
0.5444


 17.3064, 0.3573,
0.5444


 17.0587, 0.3544,
0.5566


 17.5883, 0.3587,
0.5289

 17.0535, 0.3543,
0.5569

 17.9118, 0.3579,
0.5090

 18.2811, 0.3550,
0.4854

 18.6990, 0.3502,
0.4594

 19.1682, 0.3439,
0.4322

■ 19.6911, 0.3366,
0.4047

■ 20.2699, 0.3288,
0.3779

■ 20.9067, 0.3207,
0.3524

■ 21.6035, 0.3125,
0.3285

Harmonies

Analogous

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



17.3064, 0.4536, 0.4926



17.3064, 0.3573, 0.5444



17.3064, 0.2555, 0.5070

Triad

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



17.3064, 0.3573, 0.5444



17.3064, 0.1340, 0.1922



17.3064, 0.4589, 0.2698

Complementary

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



17.3064, 0.3573, 0.5444



2.7509, 0.1984, 0.0942

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.



17.3064, 0.3409, 0.2125



17.3064, 0.3573, 0.5444



17.3064, 0.1656, 0.1689

Square

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



17.3064, 0.3573, 0.5444



17.3064, 0.1356, 0.2589



17.3064, 0.2341, 0.1771



17.3064, 0.5294, 0.3388

Rectangle

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



17.3064, 0.3573, 0.5444



17.3064, 0.1976, 0.4260



17.3064, 0.2341, 0.1771



17.3064, 0.4218, 0.2488

Sweetspot

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



17.3072, 0.3573, 0.5444



34.8784, 0.3350, 0.3988



7.5582, 0.5413, 0.3917



8.1017, 0.3371, 0.4065



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.3072, 0.3573, 0.5444



29.9381, 0.3529, 0.5580



15.6949, 0.3059, 0.5833



4.9380, 0.3201, 0.3507



16.9092, 0.3543, 0.5569



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.7509, 0.1984, 0.0942



3.8653, 0.1839, 0.0787



5.4660, 0.2955, 0.1461



4.2875, 0.3049, 0.3071



2.2221, 0.1862, 0.0799



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.3064, 0.3573, 0.5444 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 17.3064, 0.3573, 0.5444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

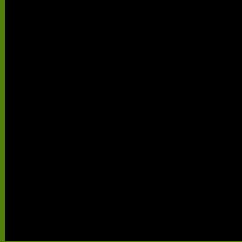
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3064, 0.3573, 0.5444

Background



This preview shows how black text looks on a background with the Yxy color 17.3064, 0.3573, 0.5444.



This preview shows how white text looks on a background with the Yxy color 17.3064, 0.3573, 0.5444.

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

17.3064, 0.3573, 0.5444

Protanopia

17.0226, 0.4384, 0.4853

Deuteranopia

17.0362, 0.4589, 0.4508



Tritanopia

17.2654, 0.2750, 0.3086

Trichromacy



Original Color

17.3064, 0.3573, 0.5444

Protanomaly

16.9634, 0.4070, 0.5085

Deuteranomaly

16.6863, 0.4200, 0.4862

Tritanomaly

16.8313, 0.3138, 0.4065

Monochromacy



Original Color

17.3064, 0.3573, 0.5444

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.1782, 0.3414, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3064, 0.3573, 0.5444 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(83, 128, 13)` looks like.

```
.text, #text, p{  
    color:rgb(83, 128, 13)  
}
```

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(83, 128, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 128, 13) }
```

Border

The CSS property to change the border of an element to Yxy 17.3064, 0.3573, 0.5444 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(83, 128, 13) }
```

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

```
.border{ border-color:rgb(83, 128, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 128, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 128, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 128, 13);  
box-shadow:4px 4px 4px 4px rgb(83, 128,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3064, 0.3573, 0.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 128, 13) }
```

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

```
.background{ background-color: rgb(83, 128,  
13) }
```

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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