

Converting Colors

$Y_{xy}(17.1607, 0.3613, 0.5513)$

Have a look what the booklet for
Yxy(17.1607, 0.3613, 0.5513)
contains.

Yxy(17.2773, 0.3605, 0.5519)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2773, 0.3605, 0.5519)

Conversions

Conversions Part 1

Format	Color
Hex	538000
RGB	83, 128, 0
RGB Percent	33%, 50%, 0%
CMY	0.6746, 0.4980, 0.9997
CMYK	0.35, 0.00, 1.00, 0.50
HSL	81°, 100%, 25%
HSV	81°, 100%, 50%
XYZ	11.2855, 17.2773, 2.7423
YIQ	99.9530, 14.2680, -49.3480

Conversions

Conversions Part 2

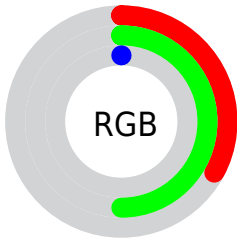
Format	Color
RYB	0, 128, 45
Decimal	5472256
CIELab	48.61, -32.73, 52.77
CIELCh	49, 62.093, 121.809
Yxy	17.2773, 0.3605, 0.5519
Android (android.graphics.Color)	4283662336 (0xFF538000)
YUV	99.9530, -49.2768, -14.8678
Hunter-Lab	41.5660, -24.2763, 25.1845

Details

The Yxy color **17.2773, 0.3605, 0.5519** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.1210, 0.1801, 0.0766**, and the grayscale version is **12.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7478, 0.3584, 0.4996**, and **5.7248, 0.3287, 0.5772** is the 20% darker color. If you saturate the color by 10%, you get **17.2765, 0.3605, 0.5520**, and if you desaturate by 10%, it is **17.5182, 0.3629, 0.5403**.

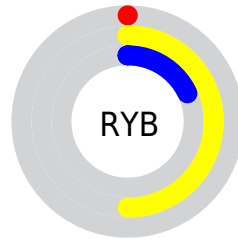
Distribution



Red (33%)

Green (50%)

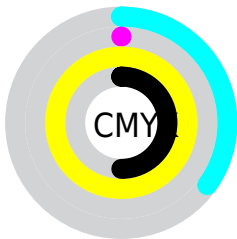
Blue (0%)



Red (0%)

Yellow (50%)

Blue (18%)

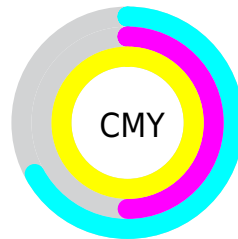


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (67%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2773, 0.3605, 0.5519 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 17.2773, 0.3605, 0.5519 by changing the saturation by 10% instead.


 17.2773, 0.3605,
0.5519


 17.2773, 0.3605,
0.5519


236.7653, 0.3435,
0.4204


 10.4324, 0.3570,
0.5886


 38.8019, 0.3584,
0.5000

 5.6866, 0.3519,
0.6481

 54.2505, 0.3561,
0.4816


 2.6555, 0.3113,
0.6887

 73.3356, 0.3537,
0.4665

 0.9546, 0.1006,
0.8994


 96.4419, 0.3513,
0.4540


 0.0000, 0.0000,
0.0000

 123.9536, 0.3491,
0.4435


 156.2551, 0.3471,


0.4346


 193.7309, 0.3452,
0.4270

 17.2773, 0.3605,
0.5519


 17.2773, 0.3605,
0.5519


 17.2765, 0.3605,
0.5520

 17.5182, 0.3629,
0.5403

 17.7878, 0.3639,
0.5255

 18.0967, 0.3625,
0.5064

 18.4482, 0.3589,
0.4836

 18.8451, 0.3535,
0.4584

■ 19.2900, 0.3466,
0.4317

■ 19.7851, 0.3387,
0.4046

■ 20.3326, 0.3302,
0.3781

■ 20.9345, 0.3214,
0.3527

Harmonies

Analogous

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



17.2773, 0.4595, 0.4938



17.2773, 0.3605, 0.5519



17.2773, 0.2557, 0.5186

Triad

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



17.2773, 0.3605, 0.5519



17.2773, 0.1286, 0.1890



17.2773, 0.4610, 0.2652

Complementary

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



17.2773, 0.3605, 0.5519



2.1210, 0.1801, 0.0766

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.



17.2773, 0.3375, 0.2073



17.2773, 0.3605, 0.5519



17.2773, 0.1596, 0.1644

Square

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



17.2773, 0.3605, 0.5519



17.2773, 0.1310, 0.2588



17.2773, 0.2283, 0.1721



17.2773, 0.5362, 0.3352

Rectangle

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



17.2773, 0.3605, 0.5519



17.2773, 0.1956, 0.4349



17.2773, 0.2283, 0.1721



17.2773, 0.4219, 0.2440

Sweetspot

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



17.2781, 0.3605, 0.5519



34.7622, 0.3393, 0.4067



6.4559, 0.5778, 0.3793



8.0645, 0.3422, 0.4163



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.



17.2781, 0.3605, 0.5519



30.3328, 0.3592, 0.5530



15.5812, 0.3055, 0.5955



4.9461, 0.3207, 0.3506



17.1301, 0.3605, 0.5520



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.1210, 0.1801, 0.0766



3.6538, 0.1779, 0.0754



4.8002, 0.2844, 0.1341



4.2796, 0.3043, 0.3071



2.1005, 0.1801, 0.0766



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.2773, 0.3605, 0.5519 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 17.2773, 0.3605, 0.5519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

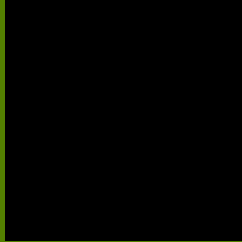
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2773, 0.3605, 0.5519

Background



This preview shows how black text looks on a background with the Yxy color 17.2773, 0.3605, 0.5519.



This preview shows how white text looks on a background with the Yxy color 17.2773, 0.3605, 0.5519.

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

17.2773, 0.3605, 0.5519

Protanopia

17.0073, 0.4405, 0.4885

Deuteranopia

17.0272, 0.4602, 0.4523



Tritanopia

17.2390, 0.2760, 0.3106

Trichromacy



Original Color

17.2773, 0.3605, 0.5519

Protanomaly

16.9437, 0.4096, 0.5130

Deuteranomaly

16.6658, 0.4227, 0.4904

Tritanomaly

16.7373, 0.3203, 0.4201

Monochromacy



Original Color

17.2773, 0.3605, 0.5519

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.9017, 0.3478, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2773, 0.3605, 0.5519 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 128, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.2773, 0.3605, 0.5519 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, 0) }
```

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

```
.border{ border-color:rgb(83, 128, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.2773, 0.3605, 0.5519 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, 0) }
```

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

```
.background{ background-color: rgb(83, 128,  
0) }
```

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