

Converting Colors

$Y_{xy}(15.7449, 0.2084, 0.5531)$

Have a look what the booklet for
Yxy(15.7449, 0.2084, 0.5531)
contains.

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Color

Yxy(17.6334, 0.2775, 0.5191)

Conversions

Conversions Part 1

Format	Color
Hex	00873A
RGB	0, 135, 58
RGB Percent	0%, 53%, 23%
CMY	1.0000, 0.4706, 0.7726
CMYK	1.00, 0.00, 0.57, 0.47
HSL	146°, 100%, 26%
HSV	146°, 100%, 53%
XYZ	9.4264, 17.6334, 6.9093
YIQ	85.8570, -55.7430, -52.5670

Conversions

Conversions Part 2

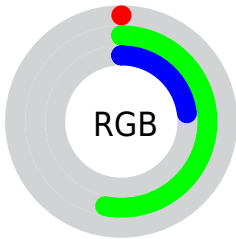
Format	Color
RYB	0, 94, 135
Decimal	34618
CIELab	49.05, -48.94, 32.38
CIELCh	49, 58.682, 146.511
Yxy	17.6334, 0.2775, 0.5191
Android (android.graphics.Color)	4278224698 (0xFF00873A)
YUV	85.8570, -13.7335, -75.2966
Hunter-Lab	41.9921, -33.4164, 19.6390

Details

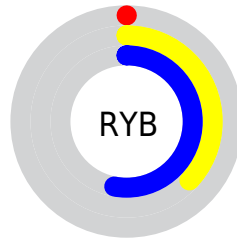
The Yxy color **17.6334, 0.2775, 0.5191** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.6872, 0.4617, 0.2317**, and the grayscale version is **9.3133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2061, 0.2898, 0.4687**, and **6.3604, 0.2955, 0.5837** is the 20% darker color. If you saturate the color by 10%, you get **17.6349, 0.2775, 0.5191**, and if you desaturate by 10%, it is **17.8087, 0.2753, 0.4995**.

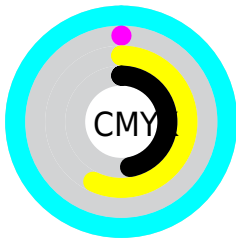
Distribution



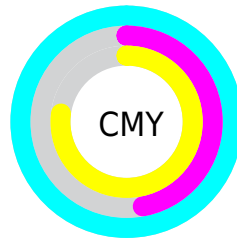
- Red (0%)
- Green (53%)
- Blue (23%)



- Red (0%)
- Yellow (37%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6334, 0.2775, 0.5191 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 17.6334, 0.2775, 0.5191 by changing the saturation by 10% instead.


 17.6334, 0.2775,
0.5191


 17.6334, 0.2775,
0.5191


238.7965, 0.3031,
0.4007


 10.6871, 0.2660,
0.5597


 39.4116, 0.2898,
0.4687


 5.8569, 0.2465,
0.6197

 55.0124, 0.2934,
0.4522

 2.7582, 0.2249,
0.7661

 74.2668, 0.2961,
0.4391

 1.0069, 0.0000,
1.0000

 97.5591, 0.2982,
0.4285

 0.0000, 0.0000,
0.0000

 125.2739, 0.2998,
0.4197

 157.7954, 0.3011,

0.4123

195.5082, 0.3022,
0.4061

■ 17.6334, 0.2775,
0.5191

■ 17.6334, 0.2775,
0.5191

■ 17.6349, 0.2775,
0.5191

■ 17.8087, 0.2753,
0.4995

■ 18.0488, 0.2741,
0.4788

■ 18.3863, 0.2748,
0.4573

■ 18.8317, 0.2772,
0.4357

■ 19.3944, 0.2811,
0.4146

■ 20.0825, 0.2861,
0.3945

■ 20.9035, 0.2921,
0.3757

■ 21.8643, 0.2987,
0.3585

■ 22.9712, 0.3056,
0.3430

Harmonies

Analogous

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



17.6334, 0.3783, 0.5342



17.6334, 0.2775, 0.5191



17.6334, 0.1914, 0.4067

Triad

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



17.6334, 0.2775, 0.5191



17.6334, 0.1589, 0.1737



17.6334, 0.5163, 0.3246

Complementary

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



17.6334, 0.2775, 0.5191



5.6872, 0.4617, 0.2317

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.



17.6334, 0.4333, 0.2580



17.6334, 0.2775, 0.5191



17.6334, 0.2184, 0.1758

Square

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



17.6334, 0.2775, 0.5191



17.6334, 0.1347, 0.2047



17.6334, 0.3162, 0.2053



17.6334, 0.5247, 0.3977

Rectangle

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



17.6334, 0.2775, 0.5191



17.6334, 0.1548, 0.3189



17.6334, 0.3162, 0.2053



17.6334, 0.4960, 0.3015

Sweetspot

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



17.6349, 0.2775, 0.5191



37.3246, 0.2917, 0.3769



18.9811, 0.3502, 0.5601



8.5138, 0.2894, 0.3837



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.6349, 0.2775, 0.5191



31.5472, 0.2786, 0.5230



18.7785, 0.2317, 0.3541



5.2355, 0.3063, 0.3416



16.2628, 0.2774, 0.5185



0.0578, 0.2546, 0.4367

Inverse Universe

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



5.6872, 0.4617, 0.2317



10.1514, 0.4656, 0.2339



5.1761, 0.6275, 0.3230



4.7299, 0.3197, 0.3167



5.2466, 0.4611, 0.2314



0.0196, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 17.6334, 0.2775, 0.5191 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 17.6334, 0.2775, 0.5191 looks on a black 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

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

Yxy 17.6334, 0.2775, 0.5191

Background



This preview shows how black text looks on a background with the Yxy color 17.6334, 0.2775, 0.5191.



This preview shows how white text looks on a background with the Yxy color 17.6334, 0.2775, 0.5191.

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

17.6334, 0.2775, 0.5191

Protanopia

17.4058, 0.4072, 0.4452

Deuteranopia

17.5013, 0.4164, 0.4095



Tritanopia

17.7418, 0.2353, 0.3075

Trichromacy



Original Color

17.6334, 0.2775, 0.5191



Protanomaly

16.2261, 0.3353, 0.4846



Deuteranomaly

15.9544, 0.3394, 0.4588



Tritanomaly

17.3881, 0.2484, 0.3806

Monochromacy



Original Color

17.6334, 0.2775, 0.5191



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.2347, 0.2831, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6334, 0.2775, 0.5191 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(0, 135, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 58)  
}
```

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(0, 135, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 58) }
```

Border

The CSS property to change the border of an element to Yxy 17.6334, 0.2775, 0.5191 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(0, 135, 58) }
```

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

```
.border{ border-color:rgb(0, 135, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6334, 0.2775, 0.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 58) }
```

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

```
.background{ background-color: rgb(0, 135,  
58) }
```

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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