

Converting Colors

$Y_{xy}(17.6273, 0.2351, 0.2565)$

Have a look what the booklet for
Yxy(17.6273, 0.2351, 0.2565)
contains.

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Color

Yxy(17.5638, 0.2350, 0.2562)

Conversions

Conversions Part 1

Format	Color
Hex	4F789E
RGB	79, 120, 158
RGB Percent	31%, 47%, 62%
CMY	0.6902, 0.5294, 0.3805
CMYK	0.50, 0.24, 0.00, 0.38
HSL	209°, 33%, 46%
HSV	209°, 50%, 62%
XYZ	16.1104, 17.5638, 34.8808
YIQ	112.0730, -36.6340, 3.1260

Conversions

Conversions Part 2

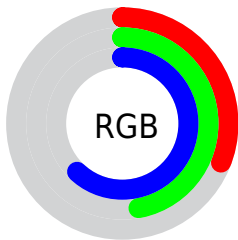
Format	Color
R _Y B	79, 106, 158
Decimal	5208222
CIE Lab	48.96, -3.30, -24.84
CIE LCh	49, 25.062, 262.432
Yxy	17.5638, 0.2350, 0.2562
Android (android.graphics.Color)	4283398302 (0xFF4F789E)
YUV	112.0730, 22.6420, -29.0050
Hunter-Lab	41.9092, -4.7234, -20.0103

Details

The Yxy color **17.5638, 0.2350, 0.2562** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.5466, 0.4155, 0.3905**, and the grayscale version is **16.1657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2147, 0.2518, 0.2721**, and **5.8459, 0.2052, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **15.2105, 0.2205, 0.2383**, and if you desaturate by 10%, it is **20.2243, 0.2504, 0.2732**.

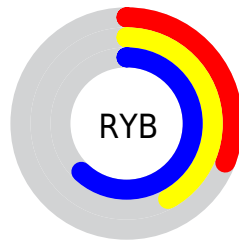
Distribution



Red (31%)

Green (47%)

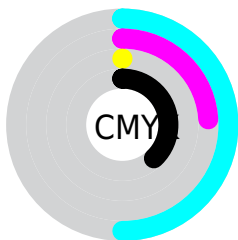
Blue (62%)



Red (31%)

Yellow (42%)

Blue (62%)

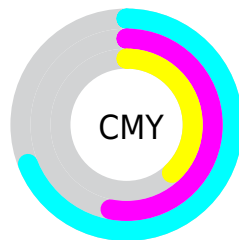


Cyan (50%)

Magenta (24%)

Yellow (0%)

Black (38%)



Cyan (69%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5638, 0.2350, 0.2562 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 17.5638, 0.2350, 0.2562 by changing the saturation by 10% instead.

■ 17.5638, 0.2350,
0.2562

■ 17.5638, 0.2350,
0.2562

■ 238.4008, 0.2789,
0.2978

■ 10.6373, 0.2222,
0.2439

■ 39.2926, 0.2522,
0.2727

■ 5.8235, 0.2047,
0.2268

■ 54.8637, 0.2583,
0.2785

■ 2.7381, 0.1795,
0.2018

■ 74.0852, 0.2633,
0.2832

■ 0.9966, 0.1410,
0.1629

■ 97.3413, 0.2674,
0.2871

■ 0.0000, 0.0000,
0.0000

■ 125.0165, 0.2710,
0.2904

157.4952, 0.2740,

0.2932

195.1619, 0.2766,
0.2957

■ 17.5638, 0.2350,
0.2562

■ 17.5638, 0.2350,
0.2562

■ 15.2105, 0.2205,
0.2383

■ 20.2243, 0.2504,
0.2732

■ 13.1476, 0.2074,
0.2200

■ 23.2038, 0.2662,
0.2891

■ 11.3590, 0.1960,
0.2016

■ 26.5156, 0.2820,
0.3037

■ 9.8258, 0.1869,
0.1835

■ 30.1716, 0.2976,
0.3170

■ 8.5074, 0.1795,
0.1662

■ 34.1831, 0.3127,
0.3290

■ 38.5606, 0.3271,
0.3397

■ 43.3145, 0.3408,
0.3491

■ 48.4543, 0.3536,
0.3575

■ 53.9895, 0.3656,
0.3648

Harmonies

Analogous

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



17.5638, 0.2243, 0.2793



17.5638, 0.2350, 0.2562



17.5638, 0.2651, 0.2522

Triad

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



17.5638, 0.2350, 0.2562



17.5638, 0.3969, 0.3290



17.5638, 0.3094, 0.4059

Complementary

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



17.5638, 0.2350, 0.2562



20.5466, 0.4155, 0.3905

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.



17.5638, 0.3569, 0.4167



17.5638, 0.2350, 0.2562



17.5638, 0.4097, 0.3675

Square

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



17.5638, 0.2350, 0.2562



17.5638, 0.3592, 0.2929



17.5638, 0.3942, 0.4004



17.5638, 0.2650, 0.3684

Rectangle

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



17.5638, 0.2350, 0.2562



17.5638, 0.2939, 0.2594



17.5638, 0.3942, 0.4004



17.5638, 0.3255, 0.4129

Sweetspot

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



17.5644, 0.2350, 0.2562



51.2107, 0.2894, 0.3102



27.3673, 0.2786, 0.4101



11.2516, 0.2863, 0.3075



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



17.5644, 0.2350, 0.2562



27.1628, 0.2189, 0.2362



10.1079, 0.2206, 0.1801



6.9764, 0.2988, 0.3180



6.8944, 0.1799, 0.1676



0.2078, 0.1992, 0.2371

Inverse Universe

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



14.2142, 0.3760, 0.2635



21.4348, 0.3978, 0.2513



31.3911, 0.3860, 0.4440



6.7008, 0.3207, 0.3174



6.3182, 0.4836, 0.2438



0.1215, 0.4053, 0.2006

Previews

White Background



This preview shows how the Yxy color 17.5638, 0.2350, 0.2562 looks on a white background.

Color Contrast Check

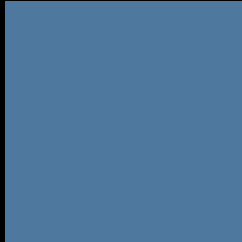
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5638, 0.2350, 0.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

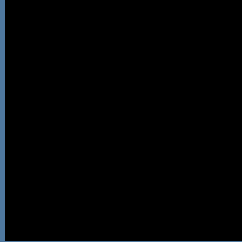
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

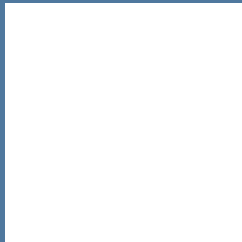
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5638, 0.2350, 0.2562

Background



This preview shows how black text looks on a background with the Yxy color 17.5638, 0.2350, 0.2562.

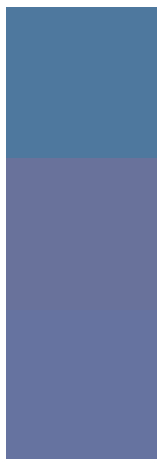


This preview shows how white text looks on a background with the Yxy color 17.5638, 0.2350, 0.2562.

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

17.5638, 0.2350, 0.2562

Protanopia

17.3710, 0.2598, 0.2553

Deuteranopia

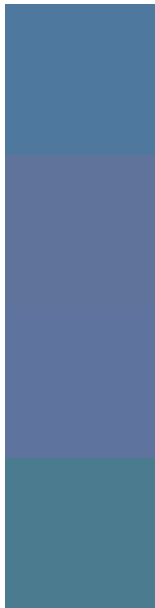
17.3626, 0.2524, 0.2469



Tritanopia

17.4761, 0.2485, 0.3078

Trichromacy



Original Color

17.5638, 0.2350, 0.2562

Protanomaly

17.3441, 0.2506, 0.2558

Deuteranomaly

17.3737, 0.2455, 0.2491

Tritanomaly

17.6049, 0.2434, 0.2883

Monochromacy



Original Color

17.5638, 0.2350, 0.2562

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5558, 0.2788, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5638, 0.2350, 0.2562 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(79, 120, 158)` looks like.

```
.text, #text, p{  
    color:rgb(79, 120, 158)  
}
```

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(79, 120, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 120, 158) }
```

Border

The CSS property to change the border of an element to Yxy 17.5638, 0.2350, 0.2562 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(79, 120, 158) }
```

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

```
.border{ border-color:rgb(79, 120, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 120, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 120, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 120, 158);  
box-shadow:4px 4px 4px 4px rgb(79, 120,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5638, 0.2350, 0.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 120, 158) }
```

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

```
.background{ background-color: rgb(79, 120,  
158) }
```

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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