

Converting Colors

$Yxy(17.5154, 0.2395, 0.2631)$

Have a look what the booklet for
Yxy(17.5154, 0.2395, 0.2631)
contains.

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Color

Yxy(17.5154, 0.2395, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	51789A
RGB	81, 120, 154
RGB Percent	32%, 47%, 60%
CMY	0.6822, 0.5294, 0.3961
CMYK	0.47, 0.22, 0.00, 0.40
HSL	208°, 31%, 46%
HSV	208°, 47%, 60%
XYZ	15.9443, 17.5154, 33.1135
YIQ	112.2150, -34.1580, 2.3060

Conversions

Conversions Part 2

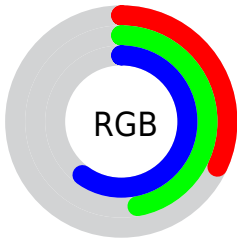
Format	Color
R_{YB}	81, 106, 154
Decimal	5339290
CIE _{Lab}	48.90, -4.00, -22.60
CIE _{LCh}	49, 22.946, 259.966
Yxy	17.5154, 0.2395, 0.2631
Android (android.graphics.Color)	4283529370 (0xFF51789A)
YUV	112.2150, 20.6000, -27.3756
Hunter-Lab	41.8514, -5.2362, -17.6152

Details

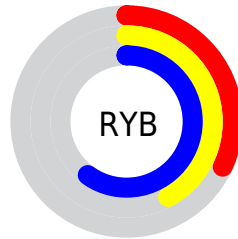
The Yxy color **17.5154, 0.2395, 0.2631** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.7339, 0.4093, 0.3856**, and the grayscale version is **16.2175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1768, 0.2555, 0.2774**, and **5.8470, 0.2108, 0.2362** is the 20% darker color. If you saturate the color by 10%, you get **15.2489, 0.2249, 0.2461**, and if you desaturate by 10%, it is **20.0669, 0.2548, 0.2792**.

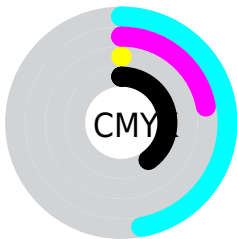
Distribution



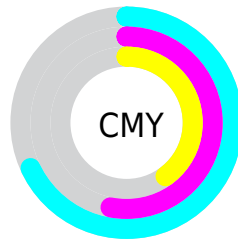
- Red (32%)
- Green (47%)
- Blue (60%)



- Red (32%)
- Yellow (42%)
- Blue (60%)



- Cyan (47%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (68%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5154, 0.2395, 0.2631 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 17.5154, 0.2395, 0.2631 by changing the saturation by 10% instead.

■ 17.5154, 0.2395,
0.2631

■ 17.5154, 0.2395,
0.2631

■ 238.1252, 0.2809,
0.3010

■ 10.6026, 0.2273,
0.2517

■ 39.2098, 0.2559,
0.2782

■ 5.8003, 0.2105,
0.2358

■ 54.7603, 0.2616,
0.2835

■ 2.7240, 0.1861,
0.2123

■ 73.9588, 0.2663,
0.2877

■ 0.9894, 0.1483,
0.1748

■ 97.1896, 0.2702,
0.2913

■ 0.0000, 0.0000,
0.0000

■ 124.8373, 0.2735,
0.2943

157.2862, 0.2763,

0.2968

194.9207, 0.2788,
0.2990

■ 17.5154, 0.2395,
0.2631

■ 17.5154, 0.2395,
0.2631

■ 15.2489, 0.2249,
0.2461

■ 20.0669, 0.2548,
0.2792

■ 13.2521, 0.2116,
0.2284

■ 22.9138, 0.2706,
0.2943

■ 11.5107, 0.2000,
0.2106

■ 26.0682, 0.2863,
0.3081

■ 10.0081, 0.1904,
0.1930

■ 29.5408, 0.3017,
0.3206

■ 8.7178, 0.1829,
0.1759

■ 33.3417, 0.3166,
0.3318

■ 8.4040, 0.1810,
0.1715

■ 37.4807, 0.3308,
0.3418

■ 41.9668, 0.3443,
0.3507

■ 46.8090, 0.3569,
0.3585

■ 52.0158, 0.3688,
0.3654

Harmonies

Analogous

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



17.5154, 0.2312, 0.2862



17.5154, 0.2395, 0.2631



17.5154, 0.2661, 0.2577

Triad

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



17.5154, 0.2395, 0.2631



17.5154, 0.3877, 0.3264



17.5154, 0.3136, 0.4008

Complementary

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



17.5154, 0.2395, 0.2631



19.7339, 0.4093, 0.3856

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.



17.5154, 0.3569, 0.4089



17.5154, 0.2395, 0.2631



17.5154, 0.4016, 0.3622

Square

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



17.5154, 0.2395, 0.2631



17.5154, 0.3519, 0.2933



17.5154, 0.3897, 0.3929



17.5154, 0.2720, 0.3684

Rectangle

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



17.5154, 0.2395, 0.2631



17.5154, 0.2921, 0.2634



17.5154, 0.3897, 0.3929



17.5154, 0.3285, 0.4065

Sweetspot

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



17.5161, 0.2395, 0.2631



49.2487, 0.2911, 0.3121



26.0748, 0.2809, 0.4073



10.8659, 0.2879, 0.3095



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



17.5161, 0.2395, 0.2631



27.4081, 0.2239, 0.2447



10.5299, 0.2267, 0.1917



6.5451, 0.2989, 0.3184



6.9188, 0.1813, 0.1728



0.1762, 0.2013, 0.2448

Inverse Universe

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



14.1153, 0.3693, 0.2652



21.3718, 0.3888, 0.2524



29.3909, 0.3832, 0.4369



6.2751, 0.3204, 0.3172



6.1038, 0.4772, 0.2403



0.0986, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 17.5154, 0.2395, 0.2631 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 17.5154, 0.2395, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

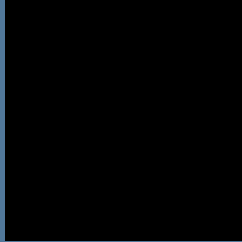
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

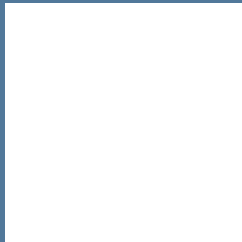
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5154, 0.2395, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 17.5154, 0.2395, 0.2631.

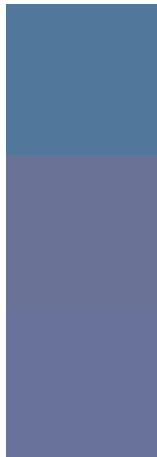


This preview shows how white text looks on a background with the Yxy color 17.5154, 0.2395, 0.2631.

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

17.5154, 0.2395, 0.2631

Protanopia

17.3008, 0.2645, 0.2620

Deuteranopia

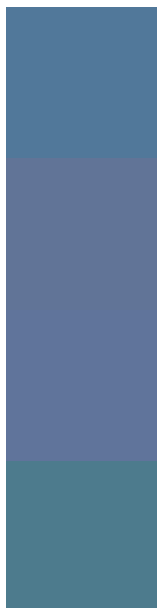
17.4044, 0.2589, 0.2537



Tritanopia

17.6324, 0.2518, 0.3080

Trichromacy



Original Color

17.5154, 0.2395, 0.2631

Protanomaly

17.2665, 0.2549, 0.2626

Deuteranomaly

17.3441, 0.2506, 0.2558

Tritanomaly

17.6668, 0.2474, 0.2923

Monochromacy



Original Color

17.5154, 0.2395, 0.2631

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5605, 0.2820, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5154, 0.2395, 0.2631 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(81, 120, 154)` looks like.

```
.text, #text, p{  
    color:rgb(81, 120, 154)  
}
```

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(81, 120, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 120, 154) }
```

Border

The CSS property to change the border of an element to Yxy 17.5154, 0.2395, 0.2631 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(81, 120, 154) }
```

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

```
.border{ border-color:rgb(81, 120, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 120, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 120, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 120, 154);  
box-shadow:4px 4px 4px 4px rgb(81, 120,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5154, 0.2395, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 120, 154) }
```

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

```
.background{ background-color: rgb(81, 120,  
154) }
```

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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