

Converting Colors

$Y_{xy}(16.3678, 0.2176, 0.2587)$

Have a look what the booklet for
Yxy(16.3678, 0.2176, 0.2587)
contains.

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Color

Yxy(16.3944, 0.2179, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	30789A
RGB	48, 120, 154
RGB Percent	19%, 47%, 60%
CMY	0.8120, 0.5294, 0.3960
CMYK	0.69, 0.22, 0.00, 0.40
HSL	199°, 53%, 40%
HSV	199°, 69%, 60%
XYZ	13.7662, 16.3944, 33.0162
YIQ	102.3480, -53.8260, -4.6900

Conversions

Conversions Part 2

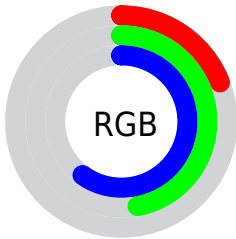
Format	Color
R_{YB}	48, 91, 154
Decimal	3176602
CIE _{Lab}	47.49, -11.07, -24.90
CIE _{LCh}	47, 27.254, 246.027
Yxy	16.3944, 0.2179, 0.2595
Android (android.graphics.Color)	4281366682 (0xFF30789A)
YUV	102.3480, 25.4644, -47.6632
Hunter-Lab	40.4900, -10.1691, -20.0031

Details

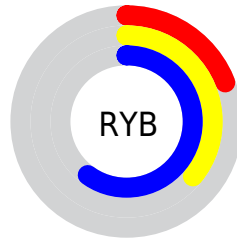
The Yxy color **16.3944, 0.2179, 0.2595** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.1088, 0.4903, 0.3809**, and the grayscale version is **13.3211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2343, 0.2388, 0.2751**, and **5.6140, 0.1982, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **14.9267, 0.2087, 0.2475**, and if you desaturate by 10%, it is **18.0544, 0.2289, 0.2713**.

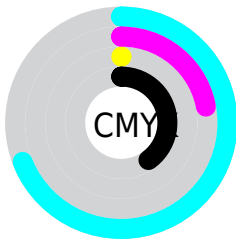
Distribution



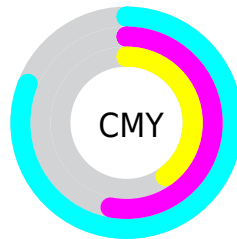
- Red (19%)
- Green (47%)
- Blue (60%)



- Red (19%)
- Yellow (36%)
- Blue (60%)



- Cyan (69%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (81%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3944, 0.2179, 0.2595 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 16.3944, 0.2179, 0.2595 by changing the saturation by 10% instead.

16.3944, 0.2179,
0.2595

16.3944, 0.2179,
0.2595

231.6579, 0.2714,
0.3003

9.8037, 0.2024,
0.2469

37.2816, 0.2389,
0.2760

5.2690, 0.1814,
0.2291

52.3468, 0.2463,
0.2817

2.4059, 0.1514,
0.2024

71.0056, 0.2524,
0.2863

0.8289, 0.1004,
0.1608

93.6425, 0.2574,
0.2901

0.0000, 0.0000,
0.0000

120.6417, 0.2617,
0.2933

152.3878, 0.2654,

0.2960

189.2650, 0.2686,
0.2983

■ 16.3944, 0.2179,
0.2595

■ 16.3944, 0.2179,
0.2595

■ 14.9267, 0.2087,
0.2475

■ 18.0544, 0.2289,
0.2713

■ 13.6347, 0.2014,
0.2355

■ 19.9181, 0.2414,
0.2827

■ 12.4880, 0.1957,
0.2237

■ 21.9976, 0.2550,
0.2936

■ 12.3644, 0.1951,
0.2224

■ 24.3035, 0.2694,
0.3038

■ 26.8455, 0.2843,
0.3133

■ 29.6328, 0.2994,
0.3220

■ 32.6739, 0.3144,
0.3298

■ 35.9768, 0.3291,
0.3369

■ 39.5492, 0.3434,
0.3432

Harmonies

Analogous

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



16.3944, 0.2186, 0.2959



16.3944, 0.2179, 0.2595



16.3944, 0.2395, 0.2442

Triad

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



16.3944, 0.2179, 0.2595



16.3944, 0.3862, 0.3061



16.3944, 0.3378, 0.4260

Complementary

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



16.3944, 0.2179, 0.2595



13.1088, 0.4903, 0.3809

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.



16.3944, 0.3862, 0.4193



16.3944, 0.2179, 0.2595



16.3944, 0.4169, 0.3477

Square

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



16.3944, 0.2179, 0.2595



16.3944, 0.3347, 0.2711



16.3944, 0.4162, 0.3887



16.3944, 0.2850, 0.3993

Rectangle

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



16.3944, 0.2179, 0.2595



16.3944, 0.2651, 0.2453



16.3944, 0.4162, 0.3887



16.3944, 0.3551, 0.4273

Sweetspot

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



16.3950, 0.2179, 0.2595



47.5432, 0.2805, 0.3110



24.3442, 0.2830, 0.4825



10.4909, 0.2767, 0.3086



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.



16.3950, 0.2179, 0.2595



25.7162, 0.2042, 0.2406



7.0195, 0.1909, 0.1476



6.6925, 0.2989, 0.3217



10.1381, 0.1954, 0.2233



0.2165, 0.2097, 0.2751

Inverse Universe

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



10.3357, 0.3787, 0.2202



15.7716, 0.4000, 0.2094



24.2908, 0.4235, 0.4579



6.2899, 0.3183, 0.3140



6.4287, 0.4197, 0.2086



0.1027, 0.3681, 0.1801

Previews

White Background



This preview shows how the Yxy color 16.3944, 0.2179, 0.2595 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 16.3944, 0.2179, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

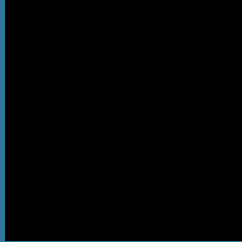
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3944, 0.2179, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 16.3944, 0.2179, 0.2595.

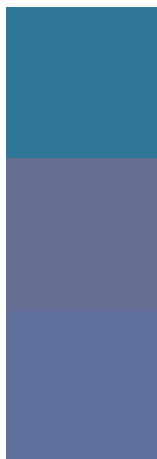


This preview shows how white text looks on a background with the Yxy color 16.3944, 0.2179, 0.2595.

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

16.3944, 0.2179, 0.2595

Protanopia

16.3002, 0.2624, 0.2603

Deuteranopia

16.3106, 0.2493, 0.2447



Tritanopia

16.4939, 0.2269, 0.3066

Trichromacy



Original Color

16.3944, 0.2179, 0.2595

Protanomaly

16.0305, 0.2412, 0.2578

Deuteranomaly

16.0634, 0.2349, 0.2489

Tritanomaly

16.5401, 0.2239, 0.2901

Monochromacy



Original Color

16.3944, 0.2179, 0.2595

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1116, 0.2657, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3944, 0.2179, 0.2595 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(48, 120, 154)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 120, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 120, 154) }
```

Border

The CSS property to change the border of an element to Yxy 16.3944, 0.2179, 0.2595 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(48, 120, 154) }
```

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

```
.border{ border-color:rgb(48, 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(48, 120, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 120, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 120, 154);  
box-shadow:4px 4px 4px 4px rgb(48, 120,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3944, 0.2179, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 120, 154) }
```

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

```
.background{ background-color: rgb(48, 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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