

Converting Colors

$Yxy(17.9825, 0.2084, 0.2291)$

Have a look what the booklet for
Yxy(17.9825, 0.2084, 0.2291)
contains.

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Color

Yxy(18.0440, 0.2083, 0.2294)

Conversions

Conversions Part 1

Format	Color
Hex	337BB1
RGB	51, 123, 177
RGB Percent	20%, 48%, 69%
CMY	0.8002, 0.5176, 0.3058
CMYK	0.71, 0.31, 0.00, 0.31
HSL	206°, 55%, 45%
HSV	206°, 71%, 69%
XYZ	16.3843, 18.0440, 44.2290
YIQ	107.6280, -60.2460, 1.5300

Conversions

Conversions Part 2

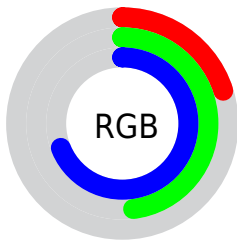
Format	Color
RYB	51, 97, 177
Decimal	3374001
CIELab	49.55, -4.27, -35.10
CIElCh	50, 35.362, 263.064
Yxy	18.0440, 0.2083, 0.2294
Android (android.graphics.Color)	4281564081 (0xFF337BB1)
YUV	107.6280, 34.2004, -49.6628
Hunter-Lab	42.4782, -5.4875, -31.9990

Details

The Yxy color **18.0440, 0.2083, 0.2294** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.6890, 0.4839, 0.4006**, and the grayscale version is **14.7996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9879, 0.2301, 0.2506**, and **6.4874, 0.1886, 0.1988** is the 20% darker color. If you saturate the color by 10%, you get **15.8595, 0.1980, 0.2129**, and if you desaturate by 10%, it is **20.5506, 0.2205, 0.2459**.

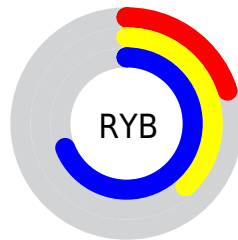
Distribution



Red (20%)

Green (48%)

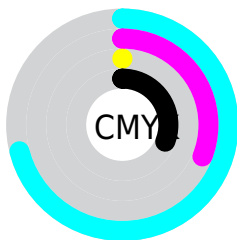
Blue (69%)



Red (20%)

Yellow (38%)

Blue (69%)

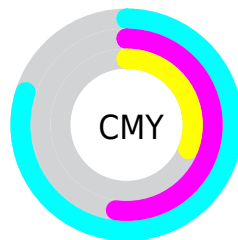


Cyan (71%)

Magenta (31%)

Yellow (0%)

Black (31%)



Cyan (80%)

Magenta (52%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0440, 0.2083, 0.2294 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 18.0440, 0.2083, 0.2294 by changing the saturation by 10% instead.

■ 18.0440, 0.2083,
0.2294

■ 18.0440, 0.2083,
0.2294

■ 241.1189, 0.2659,
0.2851

■ 10.9816, 0.1925,
0.2137

■ 40.1123, 0.2304,
0.2510

■ 6.0545, 0.1715,
0.1927

■ 55.8869, 0.2384,
0.2587

■ 2.8782, 0.1429,
0.1637

■ 75.3345, 0.2449,
0.2651

■ 1.0685, 0.1034,
0.1225

■ 98.8393, 0.2505,
0.2704

■ 0.0000, 0.0000,
0.0000

■ 126.7857, 0.2552,
0.2749

159.5582, 0.2592,

0.2788

197.5411, 0.2628,
0.2822

■ 18.0440, 0.2083,
0.2294

■ 18.0440, 0.2083,
0.2294

■ 15.8595, 0.1980,
0.2129

■ 20.5506, 0.2205,
0.2459

■ 13.9709, 0.1898,
0.1966

■ 23.3984, 0.2342,
0.2619

■ 12.5149, 0.1841,
0.1827

■ 26.6067, 0.2490,
0.2772

■ 30.1926, 0.2644,
0.2915

■ 34.1718, 0.2800,
0.3048

■ 38.5590, 0.2956,
0.3169

■ 43.3678, 0.3109,
0.3278

■ 48.6115, 0.3256,
0.3375

■ 54.3024, 0.3397,
0.3462

Harmonies

Analogous

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



18.0440, 0.1938, 0.2578



18.0440, 0.2083, 0.2294



18.0440, 0.2481, 0.2261

Triad

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



18.0440, 0.2083, 0.2294



18.0440, 0.4317, 0.3275



18.0440, 0.3044, 0.4394

Complementary

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



18.0440, 0.2083, 0.2294



19.6890, 0.4839, 0.4006

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.



18.0440, 0.3698, 0.4524



18.0440, 0.2083, 0.2294



18.0440, 0.4474, 0.3787

Square

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



18.0440, 0.2083, 0.2294



18.0440, 0.3786, 0.2803



18.0440, 0.4229, 0.4254



18.0440, 0.2447, 0.3834

Rectangle

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



18.0440, 0.2083, 0.2294



18.0440, 0.2870, 0.2361



18.0440, 0.4229, 0.4254



18.0440, 0.3265, 0.4491

Sweetspot

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



18.0446, 0.2083, 0.2294



61.0714, 0.2798, 0.3046



33.1475, 0.2754, 0.4666



12.8061, 0.2756, 0.3011



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.0446, 0.2083, 0.2294



26.5602, 0.1935, 0.2043



7.2653, 0.1812, 0.1197



9.0093, 0.2985, 0.3190



9.1867, 0.1846, 0.1845



0.4021, 0.1970, 0.2290

Inverse Universe

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



13.1445, 0.4080, 0.2343



19.9812, 0.4384, 0.2291



37.0521, 0.4158, 0.4745



8.5839, 0.3201, 0.3161



7.4675, 0.4633, 0.2326



0.2464, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 18.0440, 0.2083, 0.2294 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 18.0440, 0.2083, 0.2294 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

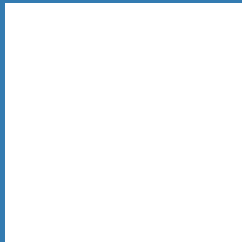
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0440, 0.2083, 0.2294

Background



This preview shows how black text looks on a background with the Yxy color 18.0440, 0.2083, 0.2294.



This preview shows how white text looks on a background with the Yxy color 18.0440, 0.2083, 0.2294.

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

18.0440, 0.2083, 0.2294

Protanopia

17.8544, 0.2404, 0.2305

Deuteranopia

17.9632, 0.2265, 0.2220



Tritanopia

18.0169, 0.2208, 0.3051

Trichromacy



Original Color

18.0440, 0.2083, 0.2294

Protanomaly

17.7678, 0.2264, 0.2298

Deuteranomaly

17.8639, 0.2183, 0.2234

Tritanomaly

17.7879, 0.2147, 0.2736

Monochromacy



Original Color

18.0440, 0.2083, 0.2294

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5299, 0.2603, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0440, 0.2083, 0.2294 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(51, 123, 177)` looks like.

```
.text, #text, p{  
  color:rgb(51, 123, 177)  
}
```

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(51, 123, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 123, 177) }
```

Border

The CSS property to change the border of an element to Yxy 18.0440, 0.2083, 0.2294 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(51, 123, 177) }
```

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

```
.border{ border-color:rgb(51, 123, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 123, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 123, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 123, 177);  
box-shadow:4px 4px 4px 4px rgb(51, 123,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0440, 0.2083, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 123, 177) }
```

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

```
.background{ background-color: rgb(51, 123,  
177) }
```

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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