

Converting Colors

$Y_{xy}(17.9511, 0.2377, 0.2839)$

Have a look what the booklet for
Yxy(17.9511, 0.2377, 0.2839)
contains.

Yxy(18.0390, 0.2375, 0.2846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(18.0390, 0.2375, 0.2846)$

Conversions

Conversions Part 1

Format	Color
Hex	457D93
RGB	69, 125, 147
RGB Percent	27%, 49%, 58%
CMY	0.7294, 0.5098, 0.4235
CMYK	0.53, 0.15, 0.00, 0.42
HSL	197°, 36%, 42%
HSV	197°, 53%, 58%
XYZ	15.0536, 18.0390, 30.2911
YIQ	110.7640, -40.4380, -5.0300

Conversions

Conversions Part 2

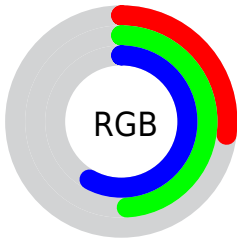
Format	Color
R_{YB}	69, 102, 147
Decimal	4554131
CIE _{Lab}	49.54, -11.99, -17.56
CIE _{LCh}	50, 21.260, 235.665
Yxy	18.0390, 0.2375, 0.2846
Android (android.graphics.Color)	4282744211 (0xFF457D93)
YUV	110.7640, 17.8643, -36.6270
Hunter-Lab	42.4723, -11.0602, -12.5547




Details

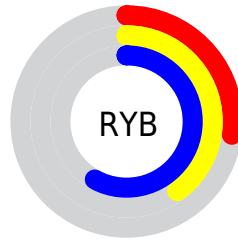
The Yxy color **18.0390, 0.2375, 0.2846** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1126, 0.4384, 0.3673**, and the grayscale version is **15.7804, 0.3127, 0.3290**.




A 20% lighter version of the original color is **40.2688, 0.2544, 0.2959**, and **6.0392, 0.2085, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **16.5394, 0.2262, 0.2746**, and if you desaturate by 10%, it is **19.7169, 0.2502, 0.2943**.

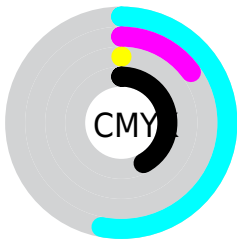
Distribution







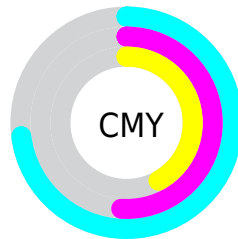
-  Red (27%)
-  Green (49%)
-  Blue (58%)






-  Red (27%)
-  Yellow (40%)
-  Blue (58%)



-  Cyan (53%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (42%)



-  Cyan (73%)
-  Magenta (51%)
-  Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0390, 0.2375, 0.2846 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 18.0390, 0.2375, 0.2846 by changing the saturation by 10% instead.

■ 18.0390, 0.2375,
0.2846

■ 18.0390, 0.2375,
0.2846

■ 241.0908, 0.2799,
0.3108

■ 10.9780, 0.2251,
0.2763

■ 40.1038, 0.2542,
0.2953

■ 6.0520, 0.2081,
0.2645

■ 55.8763, 0.2600,
0.2989

■ 2.8767, 0.1832,
0.2462

■ 75.3215, 0.2648,
0.3019

■ 1.0677, 0.1434,
0.2153

■ 98.8237, 0.2688,
0.3043

■ 0.0000, 0.0000,
0.0000

■ 126.7674, 0.2722,
0.3063

159.5368, 0.2751,

0.3080

197.5165, 0.2776,
0.3095

■ 18.0390, 0.2375,
0.2846

■ 18.0390, 0.2375,
0.2846

■ 16.5394, 0.2262,
0.2746

■ 19.7169, 0.2502,
0.2943

■ 15.2056, 0.2164,
0.2643

■ 21.5806, 0.2639,
0.3034

■ 14.0262, 0.2085,
0.2539

■ 23.6396, 0.2784,
0.3119

■ 12.9872, 0.2025,
0.2435

■ 25.9018, 0.2932,
0.3198

■ 12.3220, 0.1990,
0.2364

■ 28.3750, 0.3081,
0.3269

■ 31.0661, 0.3230,
0.3334

■ 33.9820, 0.3375,
0.3392

■ 37.1291, 0.3517,
0.3444

■ 40.5135, 0.3652,
0.3489

Harmonies

Analogous

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



18.0390, 0.2446, 0.3177



18.0390, 0.2375, 0.2846



18.0390, 0.2486, 0.2661

Triad

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



18.0390, 0.2375, 0.2846



18.0390, 0.3560, 0.3015



18.0390, 0.3464, 0.4026

Complementary

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



18.0390, 0.2375, 0.2846



14.1126, 0.4384, 0.3673

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.



18.0390, 0.3790, 0.3921



18.0390, 0.2375, 0.2846



18.0390, 0.3856, 0.3332

Square

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



18.0390, 0.2375, 0.2846



18.0390, 0.3153, 0.2768



18.0390, 0.3940, 0.3659



18.0390, 0.3061, 0.3904

Rectangle

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



18.0390, 0.2375, 0.2846



18.0390, 0.2654, 0.2629



18.0390, 0.3940, 0.3659



18.0390, 0.3587, 0.4014

Sweetspot

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



18.0397, 0.2375, 0.2846



45.0246, 0.2883, 0.3173



22.8665, 0.2895, 0.4496



10.1056, 0.2856, 0.3158



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



18.0397, 0.2375, 0.2846



29.0576, 0.2238, 0.2723



10.2195, 0.2213, 0.2030



6.2886, 0.2990, 0.3226



10.7260, 0.1992, 0.2369



0.1813, 0.2124, 0.2845

Inverse Universe

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



11.9391, 0.3532, 0.2361



17.7720, 0.3664, 0.2190



22.2796, 0.4022, 0.4282



5.8816, 0.3178, 0.3132



6.2762, 0.4054, 0.2007



0.0819, 0.3594, 0.1753

Previews

White Background



This preview shows how the Yxy color 18.0390, 0.2375, 0.2846 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 18.0390, 0.2375, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

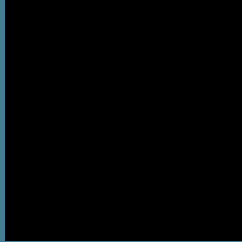
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0390, 0.2375, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 18.0390, 0.2375, 0.2846.



This preview shows how white text looks on a background with the Yxy color 18.0390, 0.2375, 0.2846.

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

18.0390, 0.2375, 0.2846

Protanopia

17.8586, 0.2802, 0.2821

Deuteranopia

17.8761, 0.2721, 0.2667



Tritanopia

18.1087, 0.2429, 0.3080

Trichromacy



Original Color

18.0390, 0.2375, 0.2846

Protanomaly

17.6636, 0.2617, 0.2823

Deuteranomaly

17.8186, 0.2573, 0.2735

Tritanomaly

18.0030, 0.2402, 0.2979

Monochromacy



Original Color

18.0390, 0.2375, 0.2846

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4328, 0.2796, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0390, 0.2375, 0.2846 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(69, 125, 147)` looks like.

```
.text, #text, p{  
  color:rgb(69, 125, 147)  
}
```

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(69, 125, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 125, 147) }
```

Border

The CSS property to change the border of an element to Yxy 18.0390, 0.2375, 0.2846 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(69, 125, 147) }
```

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

```
.border{ border-color:rgb(69, 125, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 125, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 125, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 125, 147);  
box-shadow:4px 4px 4px 4px rgb(69, 125,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0390, 0.2375, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 125, 147) }
```

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

```
.background{ background-color: rgb(69, 125,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor