

Converting Colors

$Y_{xy}(15.1329, 0.2286, 0.2460)$

Have a look what the booklet for
Yxy(15.1329, 0.2286, 0.2460)
contains.

Yxy(15.1903, 0.2285, 0.2466)	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

Yxy(15.1903, 0.2285, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	467099
RGB	70, 112, 153
RGB Percent	27%, 44%, 60%
CMY	0.7251, 0.5608, 0.3999
CMYK	0.54, 0.27, 0.00, 0.40
HSL	210°, 37%, 44%
HSV	210°, 54%, 60%
XYZ	14.0754, 15.1903, 32.3333
YIQ	104.1160, -38.1930, 3.8470

Conversions

Conversions Part 2

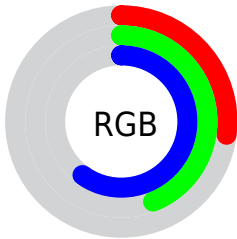
Format	Color
R_{YB}	70, 98, 153
Decimal	4616345
CIE _{Lab}	45.89, -2.25, -26.72
CIE _{LCh}	46, 26.813, 265.182
Yxy	15.1903, 0.2285, 0.2466
Android (android.graphics.Color)	4282806425 (0xFF467099)
YUV	104.1160, 24.0998, -29.9197
Hunter-Lab	38.9747, -3.7422, -21.9044

Details

The Yxy color **15.1903, 0.2285, 0.2466** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.6127, 0.4252, 0.3968**, and the grayscale version is **13.8235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3901, 0.2477, 0.2658**, and **4.7722, 0.1944, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **13.0908, 0.2143, 0.2280**, and if you desaturate by 10%, it is **17.5765, 0.2437, 0.2645**.

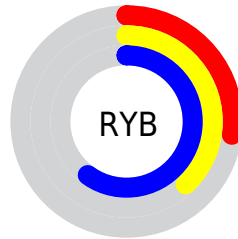
Distribution



Red (27%)

Green (44%)

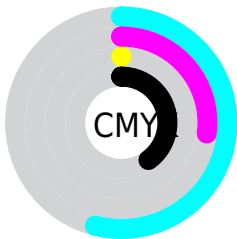
Blue (60%)



Red (27%)

Yellow (38%)

Blue (60%)

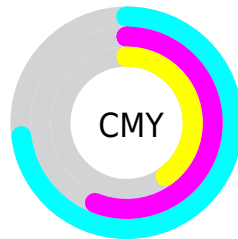


Cyan (54%)

Magenta (27%)

Yellow (0%)

Black (40%)



Cyan (73%)

Magenta (56%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1903, 0.2285, 0.2466 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 15.1903, 0.2285, 0.2466 by changing the saturation by 10% instead.

■ 15.1903, 0.2285,
0.2466

■ 15.1903, 0.2285,
0.2466

■ 224.5152, 0.2768,
0.2943

■ 8.9531, 0.2141,
0.2322

■ 35.1867, 0.2477,
0.2657

■ 4.7106, 0.1942,
0.2121

■ 49.7146, 0.2544,
0.2723

■ 2.0785, 0.1652,
0.1826

■ 67.7749, 0.2599,
0.2777

■ 0.6525, 0.1162,
0.1341

■ 89.7519, 0.2645,
0.2822

■ 0.0000, 0.0000,
0.0000

■ 116.0300, 0.2683,
0.2859

146.9937, 0.2716,

0.2891

183.0273, 0.2744,
0.2919

■ 15.1903, 0.2285,
0.2466

■ 15.1903, 0.2285,
0.2466

■ 13.0908, 0.2143,
0.2280

■ 17.5765, 0.2437,
0.2645

■ 11.2616, 0.2017,
0.2090

■ 20.2611, 0.2595,
0.2813

■ 9.6868, 0.1910,
0.1903

■ 23.2570, 0.2754,
0.2969

■ 8.3472, 0.1826,
0.1721

■ 26.5757, 0.2912,
0.3112

■ 7.6507, 0.1783,
0.1619

■ 30.2283, 0.3065,
0.3240

■ 34.2249, 0.3211,
0.3355

■ 38.5753, 0.3350,
0.3457

■ 43.2891, 0.3481,
0.3548

■ 48.3752, 0.3603,
0.3627

Harmonies

Analogous

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



15.1903, 0.2147, 0.2697



15.1903, 0.2285, 0.2466



15.1903, 0.2634, 0.2444

Triad

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



15.1903, 0.2285, 0.2466



15.1903, 0.4100, 0.3323



15.1903, 0.3036, 0.4135

Complementary

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



15.1903, 0.2285, 0.2466



18.6127, 0.4252, 0.3968

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.



15.1903, 0.3569, 0.4281



15.1903, 0.2285, 0.2466



15.1903, 0.4211, 0.3748

Square

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



15.1903, 0.2285, 0.2466



15.1903, 0.3695, 0.2920



15.1903, 0.4006, 0.4109



15.1903, 0.2552, 0.3685

Rectangle

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



15.1903, 0.2285, 0.2466



15.1903, 0.2963, 0.2535



15.1903, 0.4006, 0.4109



15.1903, 0.3215, 0.4223

Sweetspot

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



15.1908, 0.2285, 0.2466



46.2730, 0.2879, 0.3083



25.2224, 0.2757, 0.4151



9.9685, 0.2850, 0.3057



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



15.1908, 0.2285, 0.2466



22.7151, 0.2116, 0.2240



8.1729, 0.2117, 0.1638



6.5162, 0.2989, 0.3177



6.3888, 0.1787, 0.1632



0.1682, 0.1995, 0.2381

Inverse Universe

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



12.3351, 0.3857, 0.2606



18.2080, 0.4113, 0.2491



29.5546, 0.3902, 0.4537



6.2721, 0.3209, 0.3178



6.0503, 0.4891, 0.2468



0.0978, 0.4042, 0.2001

Previews

White Background



This preview shows how the Yxy color 15.1903, 0.2285, 0.2466 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 15.1903, 0.2285, 0.2466 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

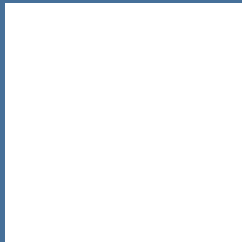
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.1903, 0.2285, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 15.1903, 0.2285, 0.2466.

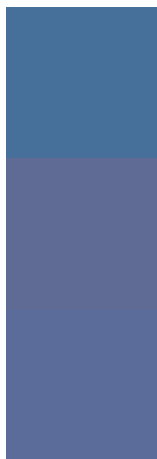


This preview shows how white text looks on a background with the Yxy color 15.1903, 0.2285, 0.2466.

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

15.1903, 0.2285, 0.2466

Protanopia

15.1721, 0.2533, 0.2478

Deuteranopia

15.0726, 0.2440, 0.2387



Tritanopia

15.1896, 0.2436, 0.3086

Trichromacy



Original Color

15.1903, 0.2285, 0.2466

Protanomaly

15.1655, 0.2441, 0.2483

Deuteranomaly

15.1094, 0.2372, 0.2410

Tritanomaly

15.1290, 0.2378, 0.2835

Monochromacy



Original Color

15.1903, 0.2285, 0.2466

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.1958, 0.2756, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1903, 0.2285, 0.2466 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(70, 112, 153)` looks like.

```
.text, #text, p{  
    color:rgb(70, 112, 153)  
}
```

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(70, 112, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 112, 153) }
```

Border

The CSS property to change the border of an element to Yxy 15.1903, 0.2285, 0.2466 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(70, 112, 153) }
```

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

```
.border{ border-color:rgb(70, 112, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 112, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 112, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 112, 153);  
box-shadow:4px 4px 4px 4px rgb(70, 112,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1903, 0.2285, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 112, 153) }
```

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

```
.background{ background-color: rgb(70, 112,  
153) }
```

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