

Converting Colors

$Y_{xy}(15.1934, 0.2192, 0.2672)$

Have a look what the booklet for
Yxy(15.1934, 0.2192, 0.2672)
contains.

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Color

$\text{Yxy}(15.3024, 0.2199, 0.2690)$

Conversions

Conversions Part 1

Format	Color
Hex	2C7591
RGB	44, 117, 145
RGB Percent	17%, 46%, 57%
CMY	0.8275, 0.5412, 0.4314
CMYK	0.70, 0.19, 0.00, 0.43
HSL	197°, 53%, 37%
HSV	197°, 70%, 57%
XYZ	12.5093, 15.3024, 29.0746
YIQ	98.3650, -52.4960, -6.7680

Conversions

Conversions Part 2

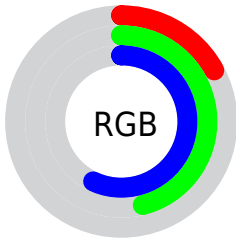
Format	Color
R_{YB}	44, 86, 145
Decimal	2913681
CIE _{Lab}	46.05, -13.11, -21.81
CIE _{LCh}	46, 25.449, 239.003
Yxy	15.3024, 0.2199, 0.2690
Android (android.graphics.Color)	4281103761 (0xFF2C7591)
YUV	98.3650, 22.9911, -47.6781
Hunter-Lab	39.1183, -11.3761, -16.6843




Details

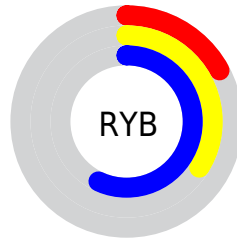
The Yxy color **15.3024, 0.2199, 0.2690** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **10.8308, 0.4983, 0.3737**, and the grayscale version is **12.2609, 0.3127, 0.3290**.




A 20% lighter version of the original color is **35.3242, 0.2406, 0.2836**, and **5.0644, 0.2018, 0.2463** is the 20% darker color. If you saturate the color by 10%, you get **14.1201, 0.2114, 0.2588**, and if you desaturate by 10%, it is **16.6382, 0.2301, 0.2790**.

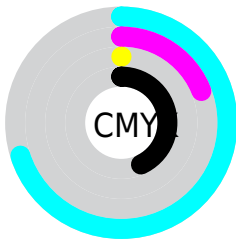
Distribution







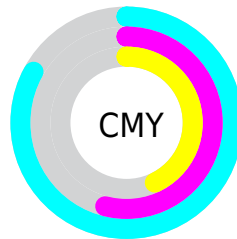
-  Red (17%)
-  Green (46%)
-  Blue (57%)






-  Red (17%)
-  Yellow (34%)
-  Blue (57%)



-  Cyan (70%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (43%)



-  Cyan (83%)
-  Magenta (54%)
-  Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3024, 0.2199, 0.2690 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 15.3024, 0.2199, 0.2690 by changing the saturation by 10% instead.

15.3024, 0.2199,
0.2690

15.3024, 0.2199,
0.2690

225.1893, 0.2729,
0.3050

9.0319, 0.2042,
0.2574

35.3828, 0.2409,
0.2839

4.7620, 0.1826,
0.2406

49.9615, 0.2482,
0.2889

2.1083, 0.1513,
0.2146

68.0784, 0.2542,
0.2929

0.6693, 0.0811,
0.1716

90.1178, 0.2592,
0.2962

0.0000, 0.0000,
0.0000

116.4643, 0.2634,
0.2990

147.5021, 0.2670,

0.3013

183.6156, 0.2701,
0.3033

■ 15.3024, 0.2199,
0.2690

■ 15.3024, 0.2199,
0.2690

■ 14.1201, 0.2114,
0.2588

■ 16.6382, 0.2301,
0.2790

■ 13.0767, 0.2048,
0.2487

■ 18.1368, 0.2419,
0.2887

■ 12.1412, 0.1997,
0.2386

■ 19.8085, 0.2549,
0.2980

■ 12.1098, 0.1995,
0.2382

■ 21.6623, 0.2689,
0.3068

■ 23.7063, 0.2834,
0.3149

■ 25.9481, 0.2983,
0.3224

■ 28.3949, 0.3132,
0.3292

■ 31.0534, 0.3280,
0.3354

■ 33.9299, 0.3424,
0.3408

Harmonies

Analogous

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



15.3024, 0.2258, 0.3083



15.3024, 0.2199, 0.2690



15.3024, 0.2358, 0.2493

Triad

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



15.3024, 0.2199, 0.2690



15.3024, 0.3726, 0.2984



15.3024, 0.3487, 0.4227

Complementary

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



15.3024, 0.2199, 0.2690



10.8308, 0.4983, 0.3737

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.



15.3024, 0.3919, 0.4103



15.3024, 0.2199, 0.2690



15.3024, 0.4079, 0.3376

Square

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



15.3024, 0.2199, 0.2690



15.3024, 0.3213, 0.2672



15.3024, 0.4146, 0.3779



15.3024, 0.2979, 0.4045

Rectangle

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



15.3024, 0.2199, 0.2690



15.3024, 0.2576, 0.2474



15.3024, 0.4146, 0.3779



15.3024, 0.3646, 0.4216

Sweetspot

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



15.3029, 0.2199, 0.2690



41.7879, 0.2808, 0.3135



21.2344, 0.2864, 0.4946



9.0943, 0.2772, 0.3116



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



15.3029, 0.2199, 0.2690



24.1264, 0.2072, 0.2526



6.6602, 0.1927, 0.1568



5.8672, 0.2990, 0.3228



10.4346, 0.1997, 0.2388



0.1368, 0.2126, 0.2854

Inverse Universe

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



9.1035, 0.3702, 0.2135



13.7566, 0.3882, 0.2017



19.9764, 0.4300, 0.4517



5.4859, 0.3177, 0.3132



6.0397, 0.4035, 0.1996



0.0615, 0.3585, 0.1749

Previews

White Background



This preview shows how the Yxy color 15.3024, 0.2199, 0.2690 looks on a white background.

Color Contrast Check

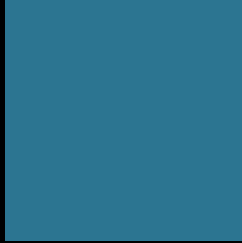
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3024, 0.2199, 0.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

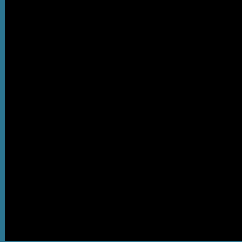
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3024, 0.2199, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 15.3024, 0.2199, 0.2690.



This preview shows how white text looks on a background with the Yxy color 15.3024, 0.2199, 0.2690.

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

15.3024, 0.2199, 0.2690

Protanopia

15.1171, 0.2693, 0.2676

Deuteranopia

15.1634, 0.2561, 0.2513



Tritanopia

15.3580, 0.2275, 0.3082

Trichromacy



Original Color

15.3024, 0.2199, 0.2690

Protanomaly

14.9974, 0.2457, 0.2670

Deuteranomaly

15.0639, 0.2398, 0.2578

Tritanomaly

15.3550, 0.2247, 0.2931

Monochromacy



Original Color

15.3024, 0.2199, 0.2690

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.9607, 0.2664, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3024, 0.2199, 0.2690 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(44, 117, 145)` looks like.

```
.text, #text, p{  
  color:rgb(44, 117, 145)  
}
```

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(44, 117, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 117, 145) }
```

Border

The CSS property to change the border of an element to Yxy 15.3024, 0.2199, 0.2690 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(44, 117, 145) }
```

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

```
.border{ border-color:rgb(44, 117, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 117, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 117, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 117, 145);  
box-shadow:4px 4px 4px 4px rgb(44, 117,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3024, 0.2199, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 117, 145) }
```

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

```
.background{ background-color: rgb(44, 117,  
145) }
```

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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