

Converting Colors

$Y_{xy}(24.6675, 0.2460, 0.3034)$

Have a look what the booklet for
Yxy(24.6675, 0.2460, 0.3034)
contains.

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Color

Yxy(24.5930, 0.2462, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	53919F
RGB	83, 145, 159
RGB Percent	33%, 57%, 62%
CMY	0.6745, 0.4314, 0.3765
CMYK	0.48, 0.09, 0.00, 0.38
HSL	191°, 31%, 47%
HSV	191°, 48%, 62%
XYZ	19.9499, 24.5930, 36.4884
YIQ	128.0580, -41.4460, -8.7900

Conversions

Conversions Part 2

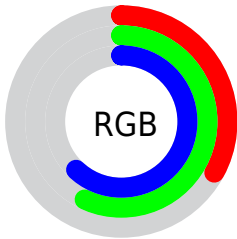
Format	Color
R _Y B	83, 117, 159
Decimal	5476767
CIE Lab	56.68, -16.11, -13.61
CIE LCh	57, 21.096, 220.192
Yxy	24.5930, 0.2462, 0.3035
Android (android.graphics.Color)	4283666847 (0xFF53919F)
YUV	128.0580, 15.2544, -39.5159
Hunter-Lab	49.5913, -14.9767, -8.9106

Details

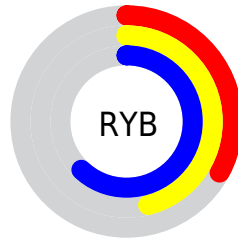
The Yxy color **24.5930, 0.2462, 0.3035** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5415, 0.4284, 0.3520**, and the grayscale version is **21.5654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0203, 0.2597, 0.3090**, and **9.2948, 0.2221, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **23.0691, 0.2353, 0.2972**, and if you desaturate by 10%, it is **26.3076, 0.2585, 0.3095**.

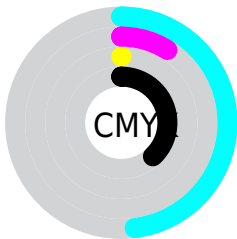
Distribution



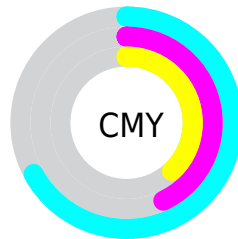
- Red (33%)
- Green (57%)
- Blue (62%)



- Red (33%)
- Yellow (46%)
- Blue (62%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (38%)




- Cyan (67%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5930, 0.2462, 0.3035 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 24.5930, 0.2462, 0.3035 by changing the saturation by 10% instead.


 24.5930, 0.2462,
0.3035


 24.5930, 0.2462,
0.3035


275.8049, 0.2822,
0.3183

 15.7741, 0.2363,
0.2990


 50.9962, 0.2599,
0.3094


 9.3644, 0.2230,
0.2926


 69.3492, 0.2649,
0.3115


 4.9796, 0.2043,
0.2830

 91.6491, 0.2690,
0.3132

 2.2353, 0.1763,
0.2671

 118.2802, 0.2725,
0.3146

 0.7392, 0.1016,
0.2430

 149.6270, 0.2754,
0.3157

 0.0000, 0.0000,
0.0000

186.0738, 0.2780,

0.3167

228.0049, 0.2802,
0.3176

■ 24.5930, 0.2462,
0.3035

■ 24.5930, 0.2462,
0.3035

■ 23.0691, 0.2353,
0.2972

■ 26.3076, 0.2585,
0.3095

■ 21.7214, 0.2261,
0.2908

■ 28.2208, 0.2719,
0.3152

■ 20.5378, 0.2186,
0.2842

■ 30.3430, 0.2862,
0.3206

■ 19.5030, 0.2130,
0.2777

■ 32.6835, 0.3010,
0.3255

■ 18.5908, 0.2091,
0.2712

■ 35.2505, 0.3161,
0.3300

■ 18.3958, 0.2083,
0.2698

■ 38.0521, 0.3311,
0.3340

■ 41.0959, 0.3461,
0.3376

■ 44.3891, 0.3606,
0.3408

■ 47.9385, 0.3747,
0.3436

Harmonies

Analogous

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



24.5930, 0.2611, 0.3375



24.5930, 0.2462, 0.3035



24.5930, 0.2478, 0.2794

Triad

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



24.5930, 0.2462, 0.3035



24.5930, 0.3333, 0.2916



24.5930, 0.3597, 0.3923

Complementary

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



24.5930, 0.2462, 0.3035



16.5415, 0.4284, 0.3520

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.



24.5930, 0.3815, 0.3751



24.5930, 0.2462, 0.3035



24.5930, 0.3662, 0.3178

Square

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



24.5930, 0.2462, 0.3035



24.5930, 0.2962, 0.2743



24.5930, 0.3842, 0.3477



24.5930, 0.3259, 0.3918

Rectangle

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



24.5930, 0.2462, 0.3035



24.5930, 0.2579, 0.2712



24.5930, 0.3842, 0.3477



24.5930, 0.3687, 0.3882

Sweetspot

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



24.5939, 0.2462, 0.3035



55.7847, 0.2914, 0.3223



27.4920, 0.2958, 0.4488



12.3879, 0.2884, 0.3213



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.5939, 0.2462, 0.3035



41.2479, 0.2350, 0.2970



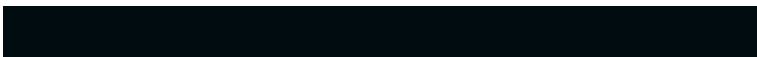
14.8717, 0.2328, 0.2294



7.3018, 0.2988, 0.3248



14.5888, 0.2084, 0.2703



0.3102, 0.2156, 0.2962

Inverse Universe

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



15.6017, 0.3372, 0.2339



23.8129, 0.3441, 0.2162



25.3010, 0.3980, 0.4108



6.7336, 0.3164, 0.3109



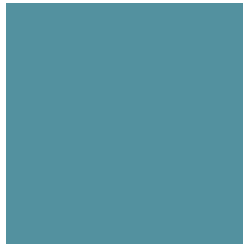
7.0950, 0.3725, 0.1826



0.1318, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 24.5930, 0.2462, 0.3035 looks on a white background.

Color Contrast Check

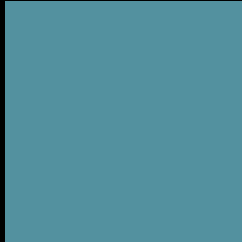
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.5930, 0.2462, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

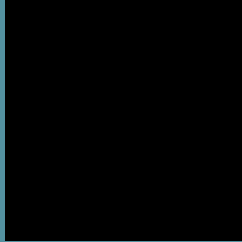
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5930, 0.2462, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 24.5930, 0.2462, 0.3035.



This preview shows how white text looks on a background with the Yxy color 24.5930, 0.2462, 0.3035.

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

24.5930, 0.2462, 0.3035

Protanopia

24.3037, 0.2935, 0.2989

Deuteranopia

24.2621, 0.2860, 0.2802



Tritanopia

24.4790, 0.2469, 0.3069

Trichromacy



Original Color

24.5930, 0.2462, 0.3035

Protanomaly

24.1884, 0.2733, 0.2994

Deuteranomaly

24.1775, 0.2690, 0.2880

Tritanomaly

24.5133, 0.2462, 0.3052

Monochromacy



Original Color

24.5930, 0.2462, 0.3035

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.3590, 0.2841, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5930, 0.2462, 0.3035 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(83, 145, 159)` looks like.

```
.text, #text, p{  
    color:rgb(83, 145, 159)  
}
```

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(83, 145, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 145, 159) }
```

Border

The CSS property to change the border of an element to Yxy 24.5930, 0.2462, 0.3035 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(83, 145, 159) }
```

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

```
.border{ border-color:rgb(83, 145, 159) }
```

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

Here you see how a box with a 4 pixel rgb(83, 145, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 145, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 145, 159);  
box-shadow:4px 4px 4px 4px rgb(83, 145,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5930, 0.2462, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 145, 159) }
```

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

```
.background{ background-color: rgb(83, 145,  
159) }
```

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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