

Converting Colors

$Y_{xy}(24.0829, 0.2393, 0.3047)$

Have a look what the booklet for
Yxy(24.0829, 0.2393, 0.3047)
contains.

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Color

$Y_{xy}(24.0590, 0.2393, 0.3047)$

Conversions

Conversions Part 1

Format	Color
Hex	47919E
RGB	71, 145, 158
RGB Percent	28%, 57%, 62%
CMY	0.7217, 0.4314, 0.3803
CMYK	0.55, 0.08, 0.00, 0.38
HSL	189°, 38%, 45%
HSV	189°, 55%, 62%
XYZ	18.8950, 24.0590, 36.0056
YIQ	124.3560, -48.2770, -11.6450

Conversions

Conversions Part 2

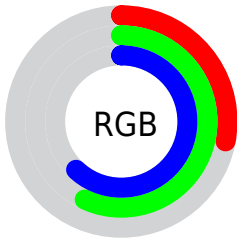
Format	Color
R_{YB}	71, 111, 158
Decimal	4690334
CIE _{Lab}	56.15, -19.16, -13.91
CIE _{LCh}	56, 23.681, 215.979
Yxy	24.0590, 0.2393, 0.3047
Android (android.graphics.Color)	4282880414 (0xFF47919E)
YUV	124.3560, 16.5865, -46.7932
Hunter-Lab	49.0500, -17.0757, -9.1874

Details

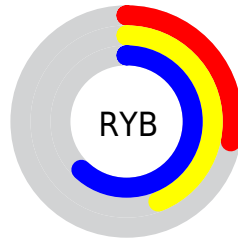
The Yxy color **24.0590, 0.2393, 0.3047** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.0646, 0.4583, 0.3501**, and the grayscale version is **20.2348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1630, 0.2545, 0.3100**, and **9.0669, 0.2145, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **22.8237, 0.2300, 0.2996**, and if you desaturate by 10%, it is **25.4665, 0.2502, 0.3097**.

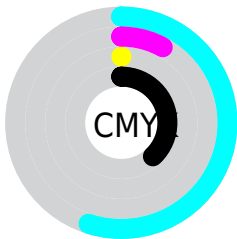
Distribution



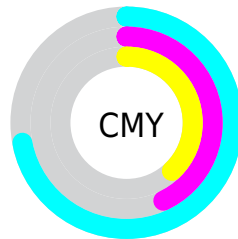
- Red (28%)
- Green (57%)
- Blue (62%)



- Red (28%)
- Yellow (44%)
- Blue (62%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (38%)





- Cyan (72%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0590, 0.2393, 0.3047 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 24.0590, 0.2393, 0.3047 by changing the saturation by 10% instead.


 24.0590, 0.2393,
0.3047


 24.0590, 0.2393,
0.3047


273.1186, 0.2790,
0.3191


 15.3774, 0.2284,
0.3002


 50.1265, 0.2545,
0.3106

 9.0847, 0.2137,
0.2938

 68.2811, 0.2599,
0.3126


 4.7965, 0.1932,
0.2839

 90.3622, 0.2645,
0.3142

 2.1283, 0.1626,
0.2674

 116.7542, 0.2683,
0.3155

 0.6805, 0.0643,
0.2444

 147.8414, 0.2716,
0.3166

 0.0000, 0.0000,
0.0000

184.0083, 0.2744,

0.3176

225.6393, 0.2768,
0.3184

■ 24.0590, 0.2393,
0.3047

■ 24.0590, 0.2393,
0.3047

■ 22.8237, 0.2300,
0.2996

■ 25.4665, 0.2502,
0.3097

■ 21.7454, 0.2226,
0.2943

■ 27.0546, 0.2625,
0.3145

■ 20.8108, 0.2170,
0.2891

■ 28.8342, 0.2759,
0.3190

■ 20.0018, 0.2131,
0.2840

■ 30.8147, 0.2902,
0.3233

■ 19.6280, 0.2115,
0.2814

■ 33.0046, 0.3050,
0.3272

■ 35.4122, 0.3202,
0.3307

■ 38.0451, 0.3353,
0.3339

■ 40.9105, 0.3503,
0.3368

■ 44.0155, 0.3650,
0.3393

Harmonies

Analogous

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



24.0590, 0.2583, 0.3442



24.0590, 0.2393, 0.3047



24.0590, 0.2385, 0.2758

Triad

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



24.0590, 0.2393, 0.3047



24.0590, 0.3299, 0.2837



24.0590, 0.3700, 0.3987

Complementary

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



24.0590, 0.2393, 0.3047



14.0646, 0.4583, 0.3501

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.



24.0590, 0.3923, 0.3766



24.0590, 0.2393, 0.3047



24.0590, 0.3688, 0.3117

Square

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



24.0590, 0.2393, 0.3047



24.0590, 0.2885, 0.2661



24.0590, 0.3921, 0.3448



24.0590, 0.3331, 0.4020

Rectangle

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



24.0590, 0.2393, 0.3047



24.0590, 0.2481, 0.2653



24.0590, 0.3921, 0.3448



24.0590, 0.3795, 0.3930

Sweetspot

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



24.0599, 0.2393, 0.3047



55.1029, 0.2869, 0.3223



26.4179, 0.2970, 0.4792



12.2687, 0.2843, 0.3216



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.



24.0599, 0.2393, 0.3047



40.9803, 0.2282, 0.2984



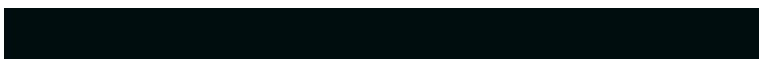
13.4861, 0.2219, 0.2199



7.3403, 0.2988, 0.3256



15.7603, 0.2116, 0.2818



0.3235, 0.2174, 0.3025

Inverse Universe

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



13.8183, 0.3375, 0.2172



21.1616, 0.3444, 0.1986



22.6740, 0.4166, 0.4158



6.7375, 0.3159, 0.3102



7.2132, 0.3618, 0.1767



0.1332, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 24.0590, 0.2393, 0.3047 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 24.0590, 0.2393, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

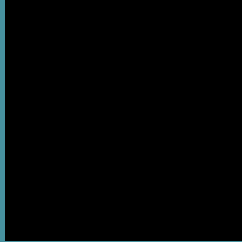
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0590, 0.2393, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 24.0590, 0.2393, 0.3047.



This preview shows how white text looks on a background with the Yxy color 24.0590, 0.2393, 0.3047.

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

24.0590, 0.2393, 0.3047

Protanopia

23.8024, 0.2933, 0.3002

Deuteranopia

23.7924, 0.2848, 0.2798



Tritanopia

24.0247, 0.2400, 0.3065

Trichromacy



Original Color

24.0590, 0.2393, 0.3047

Protanomaly

23.4424, 0.2693, 0.3005

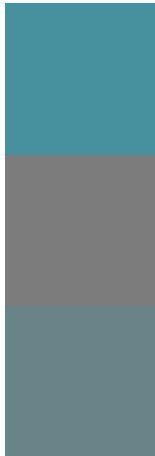
Deuteranomaly

23.4614, 0.2642, 0.2872

Tritanomaly

24.0247, 0.2400, 0.3065

Monochromacy



Original Color

24.0590, 0.2393, 0.3047

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.2834, 0.2797, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0590, 0.2393, 0.3047 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(71, 145, 158)` looks like.

```
.text, #text, p{  
    color:rgb(71, 145, 158)  
}
```

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(71, 145, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 145, 158) }
```

Border

The CSS property to change the border of an element to Yxy 24.0590, 0.2393, 0.3047 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(71, 145, 158) }
```

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

```
.border{ border-color:rgb(71, 145, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 145, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 145, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 145, 158); box-shadow:4px 4px 4px 4px rgb(71, 145, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0590, 0.2393, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 145, 158) }
```

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

```
.background{ background-color: rgb(71, 145,  
158) }
```

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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