

Converting Colors

$Y_{xy}(29.8833, 0.2393, 0.3017)$

Have a look what the booklet for
Yxy(29.8833, 0.2393, 0.3017)
contains.

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Color

Yxy(30.0255, 0.2393, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	51A0B0
RGB	81, 160, 176
RGB Percent	32%, 63%, 69%
CMY	0.6825, 0.3725, 0.3097
CMYK	0.54, 0.09, 0.00, 0.31
HSL	190°, 38%, 50%
HSV	190°, 54%, 69%
XYZ	23.7996, 30.0255, 45.6300
YIQ	138.2030, -52.2200, -11.7720

Conversions

Conversions Part 2

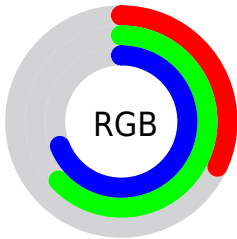
Format	Color
R _Y B	81, 124, 176
Decimal	5349552
CIE Lab	61.68, -19.66, -15.74
CIE LCh	62, 25.189, 218.681
Yxy	30.0255, 0.2393, 0.3019
Android (android.graphics.Color)	4283539632 (0xFF51A0B0)
YUV	138.2030, 18.6339, -50.1670
Hunter-Lab	54.7955, -18.3634, -11.0158

Details

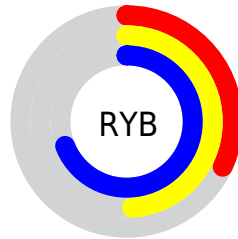
The Yxy color **30.0255, 0.2393, 0.3019** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3721, 0.4541, 0.3525**, and the grayscale version is **25.4364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7454, 0.2532, 0.3076**, and **12.2197, 0.2163, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **28.3313, 0.2296, 0.2960**, and if you desaturate by 10%, it is **31.9481, 0.2506, 0.3076**.

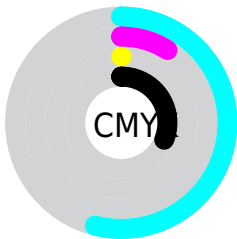
Distribution



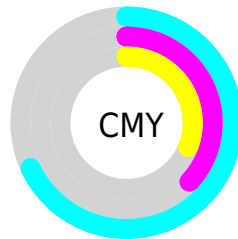
- Red (32%)
- Green (63%)
- Blue (69%)



- Red (32%)
- Yellow (49%)
- Blue (69%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)




- Cyan (68%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0255, 0.2393, 0.3019 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 30.0255, 0.2393, 0.3019 by changing the saturation by 10% instead.


 30.0255, 0.2393,
0.3019


 30.0255, 0.2393,
0.3019


302.0233, 0.2776,
0.3173


 19.8579, 0.2293,
0.2974


 59.7025, 0.2536,
0.3080

 12.2918, 0.2161,
0.2912


 79.9807, 0.2588,
0.3101

 6.9427, 0.1983,
0.2821


 104.3980, 0.2633,
0.3119

 3.4263, 0.1729,
0.2679

 133.3387, 0.2670,
0.3133

 1.3581, 0.1340,
0.2432

167.1871, 0.2702,
0.3145

 0.1856, 0.0000,
0.1213

206.3278, 0.2730,

 0.0000, 0.0000,

0.3156

0.0000

251.1450, 0.2755,
0.3165

■ 30.0255, 0.2393,
0.3019

■ 30.0255, 0.2393,
0.3019

■ 28.3313, 0.2296,
0.2960

■ 31.9481, 0.2506,
0.3076

■ 26.8458, 0.2217,
0.2900

■ 34.1100, 0.2633,
0.3131

■ 25.5519, 0.2157,
0.2840

■ 36.5255, 0.2771,
0.3182

■ 24.4272, 0.2116,
0.2781

■ 39.2066, 0.2916,
0.3230

■ 23.8054, 0.2096,
0.2746

■ 42.1647, 0.3066,
0.3274

■ 45.4102, 0.3219,
0.3313

■ 48.9531, 0.3371,
0.3349

■ 52.8029, 0.3521,
0.3381

■ 56.9687, 0.3667,
0.3409

Harmonies

Analogous

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



30.0255, 0.2566, 0.3404



30.0255, 0.2393, 0.3019



30.0255, 0.2401, 0.2746

Triad

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



30.0255, 0.2393, 0.3019



30.0255, 0.3335, 0.2863



30.0255, 0.3665, 0.3991

Complementary

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



30.0255, 0.2393, 0.3019



18.3721, 0.4541, 0.3525

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.



30.0255, 0.3902, 0.3786



30.0255, 0.2393, 0.3019



30.0255, 0.3710, 0.3147

Square

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



30.0255, 0.2393, 0.3019



30.0255, 0.2922, 0.2679



30.0255, 0.3922, 0.3477



30.0255, 0.3292, 0.4002

Rectangle

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



30.0255, 0.2393, 0.3019



30.0255, 0.2507, 0.2652



30.0255, 0.3922, 0.3477



30.0255, 0.3764, 0.3940

Sweetspot

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



30.0266, 0.2393, 0.3019



69.9356, 0.2882, 0.3219



33.6687, 0.2951, 0.4716



14.9418, 0.2853, 0.3210



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.0266, 0.2393, 0.3019



50.7613, 0.2278, 0.2948



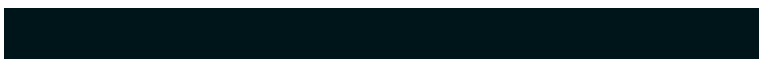
16.6144, 0.2217, 0.2155



9.3829, 0.2986, 0.3251



17.5341, 0.2098, 0.2752



0.6162, 0.2144, 0.2917

Inverse Universe

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



17.6498, 0.3396, 0.2204



26.9023, 0.3474, 0.2018



29.8758, 0.4127, 0.4191



8.6216, 0.3162, 0.3103



8.3102, 0.3679, 0.1801



0.2680, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 30.0255, 0.2393, 0.3019 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 30.0255, 0.2393, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

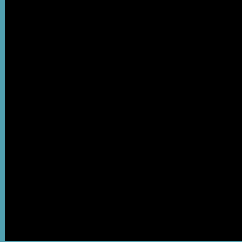
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0255, 0.2393, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 30.0255, 0.2393, 0.3019.



This preview shows how white text looks on a background with the Yxy color 30.0255, 0.2393, 0.3019.

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

30.0255, 0.2393, 0.3019

Protanopia

29.6772, 0.2923, 0.2982

Deuteranopia

29.7085, 0.2837, 0.2782



Tritanopia

29.8642, 0.2406, 0.3068

Trichromacy



Original Color

30.0255, 0.2393, 0.3019

Protanomaly

29.4963, 0.2696, 0.3000

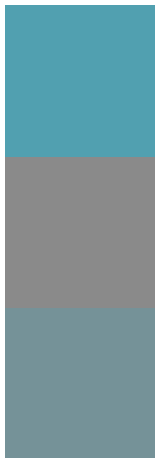
Deuteranomaly

29.2380, 0.2640, 0.2847

Tritanomaly

29.9031, 0.2400, 0.3051

Monochromacy



Original Color

30.0255, 0.2393, 0.3019

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6067, 0.2788, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0255, 0.2393, 0.3019 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(81, 160, 176)` looks like.

```
.text, #text, p{  
    color:rgb(81, 160, 176)  
}
```

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(81, 160, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 160, 176) }
```

Border

The CSS property to change the border of an element to Yxy 30.0255, 0.2393, 0.3019 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(81, 160, 176) }
```

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

```
.border{ border-color:rgb(81, 160, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 160, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 160, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 160, 176);  
box-shadow:4px 4px 4px 4px rgb(81, 160,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0255, 0.2393, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 160, 176) }
```

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

```
.background{ background-color: rgb(81, 160,  
176) }
```

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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