

Converting Colors

$Yxy(30.2057, 0.2470, 0.3103)$

Have a look what the booklet for
Yxy(30.2057, 0.2470, 0.3103)
contains.

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Color

Yxy(30.2057, 0.2470, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	59A0AB
RGB	89, 160, 171
RGB Percent	35%, 63%, 67%
CMY	0.6508, 0.3726, 0.3294
CMYK	0.48, 0.06, 0.00, 0.33
HSL	188°, 33%, 51%
HSV	188°, 48%, 67%
XYZ	24.0439, 30.2057, 43.0940
YIQ	140.0250, -45.8470, -11.6310

Conversions

Conversions Part 2

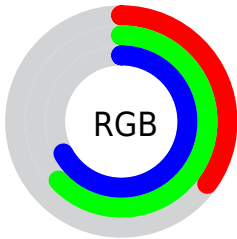
Format	Color
RYB	89, 127, 171
Decimal	5873835
CIELab	61.83, -19.26, -12.65
CIElCh	62, 23.041, 213.299
Yxy	30.2057, 0.2470, 0.3103
Android (android.graphics.Color)	4284063915 (0xFF59A0AB)
YUV	140.0250, 15.2707, -44.7489
Hunter-Lab	54.9597, -18.0891, -8.0176

Details

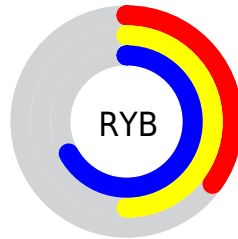
The Yxy color **30.2057, 0.2470, 0.3103** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5030, 0.4331, 0.3460**, and the grayscale version is **26.1922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0212, 0.2600, 0.3151**, and **12.3331, 0.2256, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **28.6675, 0.2367, 0.3058**, and if you desaturate by 10%, it is **31.9574, 0.2588, 0.3147**.

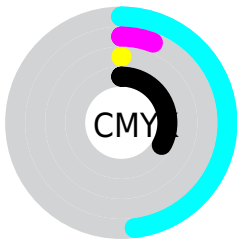
Distribution



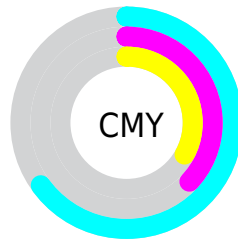
- Red (35%)
- Green (63%)
- Blue (67%)



- Red (35%)
- Yellow (50%)
- Blue (67%)



- Cyan (48%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)




- Cyan (65%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2057, 0.2470, 0.3103 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 30.2057, 0.2470, 0.3103 by changing the saturation by 10% instead.


 30.2057, 0.2470,
0.3103


 30.2057, 0.2470,
0.3103


302.8621, 0.2814,
0.3211


 19.9948, 0.2379,
0.3071


 59.9873, 0.2599,
0.3146


 12.3912, 0.2260,
0.3026


 80.3268, 0.2646,
0.3161

 7.0107, 0.2096,
0.2960


 104.8113, 0.2686,
0.3173

 3.4688, 0.1860,
0.2853

 133.8251, 0.2719,
0.3183

 1.3811, 0.1493,
0.2661

167.7527, 0.2748,
0.3192

 0.2027, 0.0000,
0.1542

206.9785, 0.2773,

 0.0000, 0.0000,

0.3199

0.0000

251.8868, 0.2795,
0.3205

■ 30.2057, 0.2470,
0.3103

■ 30.2057, 0.2470,
0.3103

■ 28.6675, 0.2367,
0.3058

■ 31.9574, 0.2588,
0.3147

■ 27.3256, 0.2282,
0.3011

■ 33.9318, 0.2719,
0.3188

■ 26.1653, 0.2215,
0.2964

■ 36.1414, 0.2859,
0.3227

■ 25.1685, 0.2167,
0.2918

■ 38.5971, 0.3007,
0.3264

■ 24.3049, 0.2134,
0.2872

■ 41.3088, 0.3159,
0.3297

■ 24.1330, 0.2128,
0.2862

■ 44.2860, 0.3312,
0.3326

■ 47.5374, 0.3464,
0.3353

■ 51.0718, 0.3614,
0.3377

■ 54.8971, 0.3760,
0.3398

Harmonies

Analogous

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



30.2057, 0.2658, 0.3461



30.2057, 0.2470, 0.3103



30.2057, 0.2447, 0.2828

Triad

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



30.2057, 0.2470, 0.3103



30.2057, 0.3249, 0.2859



30.2057, 0.3671, 0.3908

Complementary

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



30.2057, 0.2470, 0.3103



18.5030, 0.4331, 0.3460

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.



30.2057, 0.3854, 0.3701



30.2057, 0.2470, 0.3103



30.2057, 0.3605, 0.3109

Square

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



30.2057, 0.2470, 0.3103



30.2057, 0.2878, 0.2710



30.2057, 0.3832, 0.3410



30.2057, 0.3346, 0.3951

Rectangle

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



30.2057, 0.2470, 0.3103



30.2057, 0.2525, 0.2722



30.2057, 0.3832, 0.3410



30.2057, 0.3752, 0.3854

Sweetspot

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



30.2069, 0.2470, 0.3103



66.2915, 0.2913, 0.3241



32.1733, 0.2985, 0.4576



14.5820, 0.2882, 0.3233



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.2069, 0.2470, 0.3103



51.0591, 0.2357, 0.3053



18.2812, 0.2334, 0.2360



8.8859, 0.2986, 0.3259



18.2469, 0.2130, 0.2867



0.5573, 0.2169, 0.3007

Inverse Universe

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



18.3470, 0.3321, 0.2280



27.7527, 0.3377, 0.2084



28.4155, 0.4017, 0.4060



8.1293, 0.3157, 0.3096



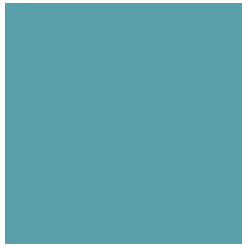
8.1451, 0.3574, 0.1742



0.2316, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 30.2057, 0.2470, 0.3103 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2057, 0.2470, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

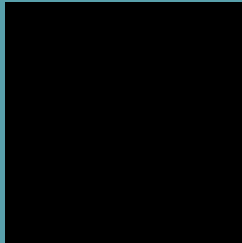
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2057, 0.2470, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 30.2057, 0.2470, 0.3103.

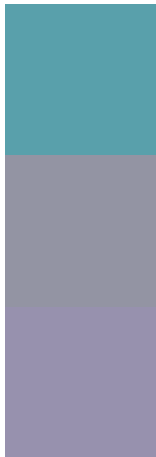


This preview shows how white text looks on a background with the Yxy color 30.2057, 0.2470, 0.3103.

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

30.2057, 0.2470, 0.3103

Protanopia

30.0272, 0.2978, 0.3059

Deuteranopia

29.8861, 0.2918, 0.2857



Tritanopia

30.3324, 0.2463, 0.3071

Trichromacy



Original Color

30.2057, 0.2470, 0.3103

Protanomaly

29.6453, 0.2761, 0.3064

Deuteranomaly

29.4190, 0.2720, 0.2926

Tritanomaly

30.2938, 0.2470, 0.3087

Monochromacy



Original Color

30.2057, 0.2470, 0.3103

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.1668, 0.2835, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2057, 0.2470, 0.3103 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(89, 160, 171)` looks like.

```
.text, #text, p{  
    color:rgb(89, 160, 171)  
}
```

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(89, 160, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 160, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.2057, 0.2470, 0.3103 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(89, 160, 171) }
```

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

```
.border{ border-color:rgb(89, 160, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 160, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 160, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 160, 171);  
box-shadow:4px 4px 4px 4px rgb(89, 160,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2057, 0.2470, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 160, 171) }
```

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

```
.background{ background-color: rgb(89, 160,  
171) }
```

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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