

Converting Colors

$Y_{xy}(36.2910, 0.2380, 0.2980)$

Have a look what the booklet for
Yxy(36.2910, 0.2380, 0.2980)
contains.

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Color

Yxy(36.2910, 0.2380, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	59AEC2
RGB	89, 174, 194
RGB Percent	35%, 68%, 76%
CMY	0.6514, 0.3176, 0.2393
CMYK	0.54, 0.10, 0.00, 0.24
HSL	191°, 46%, 55%
HSV	191°, 54%, 76%
XYZ	28.9841, 36.2910, 56.5068
YIQ	150.8650, -57.0800, -11.8000

Conversions

Conversions Part 2

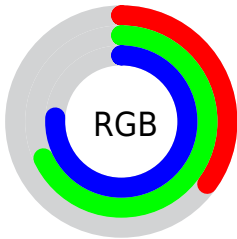
Format	Color
R _Y B	89, 136, 194
Decimal	5877442
CIE Lab	66.74, -20.10, -18.06
CIE LCh	67, 27.024, 221.947
Yxy	36.2910, 0.2380, 0.2980
Android (android.graphics.Color)	4284067522 (0xFF59AEC2)
YUV	150.8650, 21.2656, -54.2556
Hunter-Lab	60.2420, -19.5423, -13.4444

Details

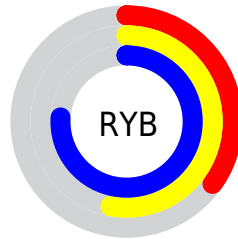
The Yxy color **36.2910, 0.2380, 0.2980** is a light color, and the websafe version is hex **669999**. The color can be described as light muted azure. A complement of this color would be **23.0941, 0.4543, 0.3557**, and the grayscale version is **30.8019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6697, 0.2515, 0.3043**, and **15.7169, 0.2164, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **34.0524, 0.2281, 0.2913**, and if you desaturate by 10%, it is **38.8241, 0.2496, 0.3045**.

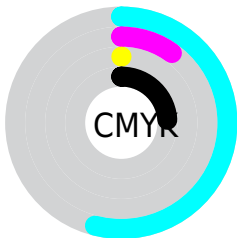
Distribution



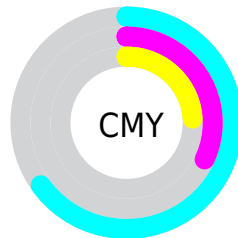
- Red (35%)
- Green (68%)
- Blue (76%)



- Red (35%)
- Yellow (53%)
- Blue (76%)



- Cyan (54%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)





- Cyan (65%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2910, 0.2380, 0.2980 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 36.2910, 0.2380, 0.2980 by changing the saturation by 10% instead.


 36.2910, 0.2380,
0.2980


 36.2910, 0.2380,
0.2980


330.2307, 0.2758,
0.3150


 24.6590, 0.2285,
0.2933


 69.4810, 0.2518,
0.3045


 15.8232, 0.2164,
0.2870


 91.8078, 0.2569,
0.3069

 9.3991, 0.2003,
0.2782


 118.4683, 0.2613,
0.3088

 5.0024, 0.1781,
0.2650

 149.8469, 0.2650,
0.3104

 2.2487, 0.1461,
0.2437

186.3281, 0.2683,
0.3118

 0.7463, 0.0621,
0.2119

228.2962, 0.2711,

 0.0000, 0.0000,

0.3130

0.0000

276.1356, 0.2736,
0.3141

■ 36.2910, 0.2380,
0.2980

■ 36.2910, 0.2380,
0.2980

■ 34.0524, 0.2281,
0.2913

■ 38.8241, 0.2496,
0.3045

■ 32.0836, 0.2199,
0.2844

■ 41.6661, 0.2625,
0.3108

■ 30.3621, 0.2137,
0.2775

■ 44.8351, 0.2765,
0.3166

■ 28.8592, 0.2094,
0.2707

■ 48.3465, 0.2912,
0.3221

■ 28.0524, 0.2074,
0.2668

■ 52.2148, 0.3063,
0.3271

■ 56.4533, 0.3216,
0.3316

■ 61.0750, 0.3369,
0.3356

■ 66.0918, 0.3519,
0.3393

■ 69.8713, 0.3597,
0.3427

Harmonies

Analogous

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



36.2910, 0.2535, 0.3360



36.2910, 0.2380, 0.2980



36.2910, 0.2409, 0.2721

Triad

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



36.2910, 0.2380, 0.2980



36.2910, 0.3382, 0.2888



36.2910, 0.3633, 0.4008

Complementary

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



36.2910, 0.2380, 0.2980



23.0941, 0.4543, 0.3557

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.



36.2910, 0.3891, 0.3818



36.2910, 0.2380, 0.2980



36.2910, 0.3747, 0.3181

Square

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



36.2910, 0.2380, 0.2980



36.2910, 0.2964, 0.2689



36.2910, 0.3937, 0.3514



36.2910, 0.3248, 0.3994

Rectangle

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



36.2910, 0.2380, 0.2980



36.2910, 0.2528, 0.2639



36.2910, 0.3937, 0.3514



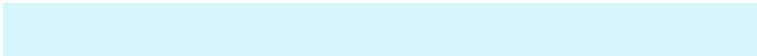
36.2910, 0.3738, 0.3963

Sweetspot

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



36.2924, 0.2380, 0.2980



86.2319, 0.2881, 0.3210



41.7817, 0.2940, 0.4704



18.5857, 0.2850, 0.3198



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.2924, 0.2380, 0.2980



61.0070, 0.2264, 0.2900



19.9744, 0.2202, 0.2112



11.0926, 0.2984, 0.3245



18.5603, 0.2077, 0.2677



0.8877, 0.2119, 0.2828

Inverse Universe

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



21.6511, 0.3428, 0.2219



33.0529, 0.3514, 0.2041



37.5740, 0.4125, 0.4219



10.2136, 0.3166, 0.3105



9.1559, 0.3750, 0.1840



0.4043, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 36.2910, 0.2380, 0.2980 looks on a white background.

Color Contrast Check

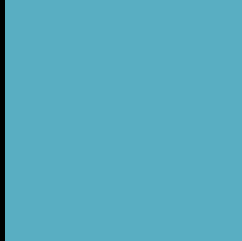
Large Text (above 18pt) WCAG AA × Fail

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 36.2910, 0.2380, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

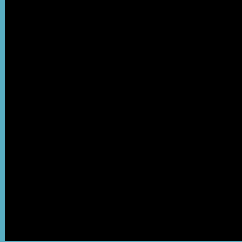
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2910, 0.2380, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 36.2910, 0.2380, 0.2980.



This preview shows how white text looks on a background with the Yxy color 36.2910, 0.2380, 0.2980.

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

36.2910, 0.2380, 0.2980

Protanopia

35.8125, 0.2888, 0.2935

Deuteranopia

35.8559, 0.2810, 0.2752



Tritanopia

36.3603, 0.2401, 0.3069

Trichromacy



Original Color

36.2910, 0.2380, 0.2980

Protanomaly

35.4466, 0.2666, 0.2948

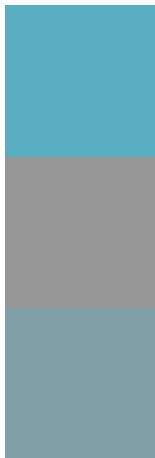
Deuteranomaly

35.6048, 0.2624, 0.2825

Tritanomaly

36.4962, 0.2395, 0.3039

Monochromacy



Original Color

36.2910, 0.2380, 0.2980

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.1755, 0.2779, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2910, 0.2380, 0.2980 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, 174, 194)` looks like.

```
.text, #text, p{  
    color:rgb(89, 174, 194)  
}
```

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, 174, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 174, 194) }
```

Border

The CSS property to change the border of an element to Yxy 36.2910, 0.2380, 0.2980 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, 174, 194) }
```

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

```
.border{ border-color:rgb(89, 174, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 174, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 174, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 174, 194);  
box-shadow:4px 4px 4px 4px rgb(89, 174,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2910, 0.2380, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 174, 194) }
```

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

```
.background{ background-color: rgb(89, 174,  
194) }
```

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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