

Converting Colors

$Y_{xy}(34.0784, 0.2584, 0.3070)$

Have a look what the booklet for
Yxy(34.0784, 0.2584, 0.3070)
contains.

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Color

Yxy(34.0784, 0.2584, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	71A6B4
RGB	113, 166, 180
RGB Percent	44%, 65%, 71%
CMY	0.5569, 0.3490, 0.2941
CMYK	0.37, 0.08, 0.00, 0.29
HSL	193°, 31%, 57%
HSV	193°, 37%, 71%
XYZ	28.6836, 34.0784, 48.2426
YIQ	151.7490, -36.0820, -6.8820

Conversions

Conversions Part 2

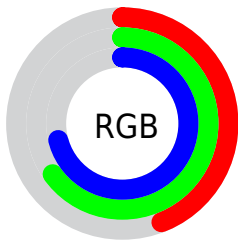
Format	Color
RYB	113, 143, 180
Decimal	7448244
CIELab	65.02, -13.87, -12.77
CIELCh	65, 18.853, 222.650
Yxy	34.0784, 0.2584, 0.3070
Android (android.graphics.Color)	4285638324 (0xFF71A6B4)
YUV	151.7490, 13.9277, -33.9829
Hunter-Lab	58.3767, -14.4527, -8.1336

Details

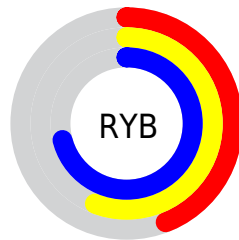
The Yxy color **34.0784, 0.2584, 0.3070** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.0709, 0.3941, 0.3496**, and the grayscale version is **31.2365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9845, 0.2685, 0.3112**, and **14.5590, 0.2422, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **31.6552, 0.2457, 0.3001**, and if you desaturate by 10%, it is **36.7809, 0.2722, 0.3136**.

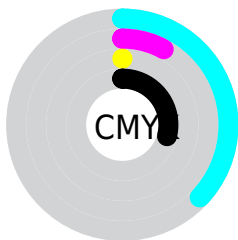
Distribution



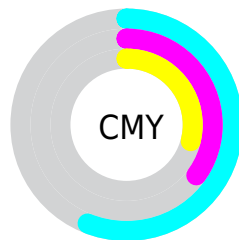
- Red (44%)
- Green (65%)
- Blue (71%)



- Red (44%)
- Yellow (56%)
- Blue (71%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)





- Cyan (56%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0784, 0.2584, 0.3070 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 34.0784, 0.2584, 0.3070 by changing the saturation by 10% instead.


 34.0784, 0.2584,
0.3070

 34.0784, 0.2584,
0.3070

320.4815, 0.2864,
0.3190

 22.9538, 0.2511,
0.3036


 66.0556, 0.2688,
0.3116

 14.5594, 0.2417,
0.2991


 87.6770, 0.2726,
0.3133

 8.5108, 0.2288,
0.2926


 113.5661, 0.2759,
0.3147

 4.4235, 0.2104,
0.2828

144.1073, 0.2786,
0.3158

 1.9132, 0.1823,
0.2664

179.6851, 0.2810,
0.3168

 0.5563, 0.0809,
0.2367

220.6838, 0.2830,

 0.0000, 0.0000,

0.3177

0.0000

267.4878, 0.2848,
0.3184

■ 34.0784, 0.2584,
0.3070

■ 34.0784, 0.2584,
0.3070

■ 31.6552, 0.2457,
0.3001

■ 36.7809, 0.2722,
0.3136

■ 29.4930, 0.2344,
0.2928

■ 39.7721, 0.2867,
0.3197

■ 27.5772, 0.2247,
0.2853

■ 43.0655, 0.3017,
0.3253

■ 25.8899, 0.2169,
0.2778

■ 46.6727, 0.3169,
0.3304

■ 24.4103, 0.2109,
0.2702

■ 50.6045, 0.3321,
0.3350

■ 23.1083, 0.2068,
0.2627

■ 54.8713, 0.3470,
0.3391

■ 22.7625, 0.2057,
0.2606

■ 59.4829, 0.3615,
0.3427

■ 64.0684, 0.3738,
0.3459

■ 65.7863, 0.3727,
0.3498

Harmonies

Analogous

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



34.0784, 0.2697, 0.3337



34.0784, 0.2584, 0.3070



34.0784, 0.2608, 0.2881

Triad

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



34.0784, 0.2584, 0.3070



34.0784, 0.3318, 0.3002



34.0784, 0.3487, 0.3802

Complementary

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



34.0784, 0.2584, 0.3070



26.0709, 0.3941, 0.3496

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.



34.0784, 0.3670, 0.3680



34.0784, 0.2584, 0.3070



34.0784, 0.3572, 0.3222

Square

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



34.0784, 0.2584, 0.3070



34.0784, 0.3020, 0.2853



34.0784, 0.3703, 0.3466



34.0784, 0.3213, 0.3780

Rectangle

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



34.0784, 0.2584, 0.3070



34.0784, 0.2698, 0.2818



34.0784, 0.3703, 0.3466



34.0784, 0.3562, 0.3776

Sweetspot

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



34.0797, 0.2584, 0.3070



75.6558, 0.2958, 0.3231



37.6677, 0.2981, 0.4171



16.1799, 0.2938, 0.3224



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.0797, 0.2584, 0.3070



58.0092, 0.2475, 0.3011



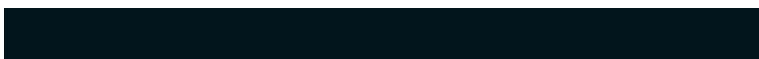
23.6076, 0.2506, 0.2523



9.3242, 0.2986, 0.3241



15.9868, 0.2060, 0.2615



0.5789, 0.2118, 0.2824

Inverse Universe

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



24.2660, 0.3328, 0.2555



38.0841, 0.3388, 0.2392



36.0005, 0.3770, 0.3951



8.6157, 0.3168, 0.3112



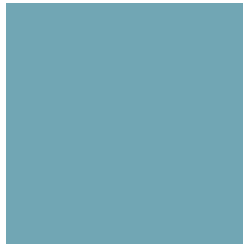
8.1540, 0.3810, 0.1872



0.2642, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 34.0784, 0.2584, 0.3070 looks on a white background.

Color Contrast Check

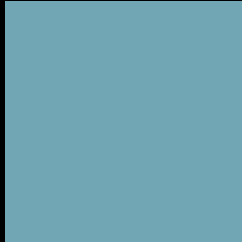
Large Text (above 18pt) WCAG AA × Fail

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 34.0784, 0.2584, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

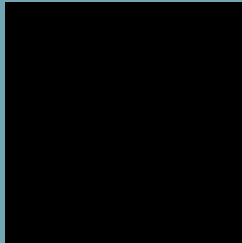
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0784, 0.2584, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 34.0784, 0.2584, 0.3070.



This preview shows how white text looks on a background with the Yxy color 34.0784, 0.2584, 0.3070.

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

34.0784, 0.2584, 0.3070

Protanopia

33.8015, 0.2959, 0.3027

Deuteranopia

33.6749, 0.2928, 0.2864



Tritanopia

34.0378, 0.2591, 0.3085

Trichromacy



Original Color

34.0784, 0.2584, 0.3070

Protanomaly

33.8516, 0.2812, 0.3049

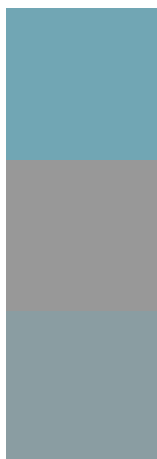
Deuteranomaly

33.6708, 0.2789, 0.2935

Tritanomaly

34.0378, 0.2591, 0.3085

Monochromacy



Original Color

34.0784, 0.2584, 0.3070

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1259, 0.2905, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0784, 0.2584, 0.3070 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(113, 166, 180)` looks like.

```
.text, #text, p{  
    color:rgb(113, 166, 180)  
}
```

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(113, 166, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 166, 180) }
```

Border

The CSS property to change the border of an element to Yxy 34.0784, 0.2584, 0.3070 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(113, 166, 180) }
```

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

```
.border{ border-color:rgb(113, 166, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 166, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 166, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 166, 180);  
box-shadow:4px 4px 4px 4px rgb(113, 166,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0784, 0.2584, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 166, 180) }
```

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

```
.background{ background-color: rgb(113,  
166, 180) }
```

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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