

Converting Colors

$Y_{xy}(35.8840, 0.2668, 0.3483)$

Have a look what the booklet for
Yxy(35.8840, 0.2668, 0.3483)
contains.

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Color

Yxy(35.8840, 0.2668, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	69AEA2
RGB	105, 174, 162
RGB Percent	41%, 68%, 64%
CMY	0.5880, 0.3177, 0.3647
CMYK	0.40, 0.00, 0.07, 0.32
HSL	170°, 30%, 55%
HSV	170°, 40%, 68%
XYZ	27.4874, 35.8840, 39.6548
YIQ	152.0010, -37.2720, -18.3600

Conversions

Conversions Part 2

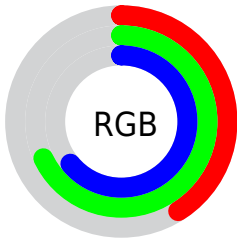
Format	Color
R _Y B	105, 143, 174
Decimal	6925986
CIE Lab	66.43, -24.66, -0.70
CIE LCh	66, 24.667, 181.635
Yxy	35.8840, 0.2668, 0.3483
Android (android.graphics.Color)	4285116066 (0xFF69AEA2)
YUV	152.0010, 4.9295, -41.2199
Hunter-Lab	59.9033, -22.9237, 2.6835

Details

The Yxy color **35.8840, 0.2668, 0.3483** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3990, 0.3924, 0.3112**, and the grayscale version is **31.3960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9743, 0.2754, 0.3446**, and **15.5306, 0.2529, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **34.8303, 0.2580, 0.3540**, and if you desaturate by 10%, it is **37.1588, 0.2770, 0.3429**.

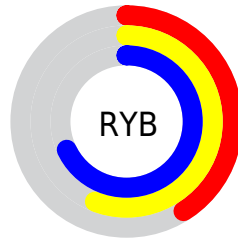
Distribution



Red (41%)

Green (68%)

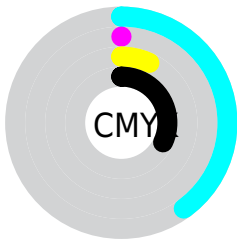
Blue (64%)



Red (41%)

Yellow (56%)

Blue (68%)

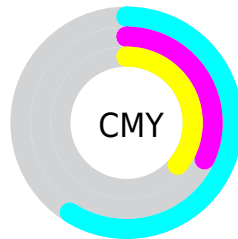


Cyan (40%)

Magenta (0%)

Yellow (7%)

Black (32%)



Cyan (59%)


Magenta (32%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8840, 0.2668, 0.3483 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 35.8840, 0.2668, 0.3483 by changing the saturation by 10% instead.


 35.8840, 0.2668,
0.3483


 35.8840, 0.2668,
0.3483


328.4532, 0.2906,
0.3383


 24.3446, 0.2606,
0.3509


 68.8530, 0.2757,
0.3446


 15.5895, 0.2524,
0.3543


 91.0514, 0.2789,
0.3432

 9.2341, 0.2412,
0.3589


 117.5716, 0.2817,
0.3421

 4.8942, 0.2250,
0.3655

 148.7979, 0.2840,
0.3411

 2.1853, 0.1995,
0.3757

185.1149, 0.2860,
0.3403

 0.7120, 0.0464,
0.4419

226.9069, 0.2877,

 0.0000, 0.0000,

0.3396

0.0000

274.5582, 0.2893,
0.3389

■ 35.8840, 0.2668,
0.3483

■ 35.8840, 0.2668,
0.3483

■ 34.8303, 0.2580,
0.3540

■ 37.1588, 0.2770,
0.3429

■ 33.9800, 0.2508,
0.3600

■ 38.6625, 0.2883,
0.3378

■ 33.3201, 0.2455,
0.3661

■ 40.4077, 0.3005,
0.3331


■ 32.8336, 0.2420,
0.3723

■ 42.4049, 0.3132,
0.3288

■ 32.5011, 0.2404,
0.3785


■ 44.6641, 0.3263,
0.3250


 32.2824, 0.2403,
0.3847

 47.1945, 0.3394,
0.3216

 32.2747, 0.2403,
0.3849

 50.0050, 0.3525,
0.3185

 53.1040, 0.3653,
0.3159

 55.2159, 0.3720,
0.3132

Harmonies

Analogous

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



35.8840, 0.2994, 0.3805



35.8840, 0.2668, 0.3483



35.8840, 0.2470, 0.3119

Triad

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



35.8840, 0.2668, 0.3483



35.8840, 0.2856, 0.2699



35.8840, 0.3866, 0.3690

Complementary

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



35.8840, 0.2668, 0.3483



20.3990, 0.3924, 0.3112

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.



35.8840, 0.3832, 0.3393



35.8840, 0.2668, 0.3483



35.8840, 0.3229, 0.2844

Square

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



35.8840, 0.2668, 0.3483



35.8840, 0.2573, 0.2691



35.8840, 0.3593, 0.3091



35.8840, 0.3691, 0.3907

Rectangle

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



35.8840, 0.2668, 0.3483



35.8840, 0.2428, 0.2916



35.8840, 0.3593, 0.3091



35.8840, 0.3879, 0.3596

Sweetspot

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



35.8854, 0.2668, 0.3483



72.4362, 0.2973, 0.3343



35.1218, 0.3176, 0.4442



16.0083, 0.2957, 0.3349



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.



35.8854, 0.2668, 0.3483



63.3164, 0.2586, 0.3536



28.5728, 0.2535, 0.2929



9.0478, 0.3009, 0.3330



23.4181, 0.2401, 0.3842



0.6577, 0.2349, 0.3656

Inverse Universe

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



20.3990, 0.3924, 0.3112



31.0886, 0.4217, 0.3073



25.1691, 0.3967, 0.3620



8.0373, 0.3260, 0.3251



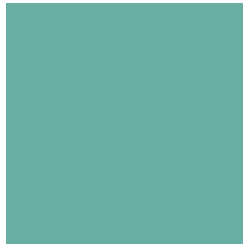
6.6023, 0.6108, 0.3138



0.1903, 0.5373, 0.2734

Previews

White Background



This preview shows how the Yxy color 35.8840, 0.2668, 0.3483 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 35.8840, 0.2668, 0.3483 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 35.8840, 0.2668, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 35.8840, 0.2668, 0.3483.



This preview shows how white text looks on a background with the Yxy color 35.8840, 0.2668, 0.3483.

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

35.8840, 0.2668, 0.3483

Protanopia

35.4740, 0.3230, 0.3378

Deuteranopia

35.5288, 0.3212, 0.3150



Tritanopia

35.9660, 0.2556, 0.3088

Trichromacy



Original Color

35.8840, 0.2668, 0.3483

Protanomaly

35.1842, 0.2994, 0.3412

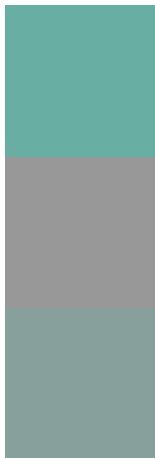
Deuteranomaly

35.3006, 0.2981, 0.3260

Tritanomaly

35.8908, 0.2597, 0.3226

Monochromacy



Original Color

35.8840, 0.2668, 0.3483

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.6928, 0.2929, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8840, 0.2668, 0.3483 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(105, 174, 162)` looks like.

```
.text, #text, p{  
    color:rgb(105, 174, 162)  
}
```

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(105, 174, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 174, 162) }
```

Border

The CSS property to change the border of an element to Yxy 35.8840, 0.2668, 0.3483 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(105, 174, 162) }
```

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

```
.border{ border-color:rgb(105, 174, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 174, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 174, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 174, 162);  
box-shadow:4px 4px 4px 4px rgb(105, 174,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8840, 0.2668, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 174, 162) }
```

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

```
.background{ background-color: rgb(105,  
174, 162) }
```

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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