

Converting Colors

$Yxy(35.6603, 0.2487, 0.3055)$

Have a look what the booklet for
Yxy(35.6603, 0.2487, 0.3055)
contains.

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Color

Yxy(35.4958, 0.2488, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	66ABBA
RGB	102, 171, 186
RGB Percent	40%, 67%, 73%
CMY	0.5999, 0.3294, 0.2706
CMYK	0.45, 0.08, 0.00, 0.27
HSL	191°, 38%, 56%
HSV	191°, 45%, 73%
XYZ	28.9079, 35.4958, 51.7855
YIQ	152.0790, -45.9390, -9.9630

Conversions

Conversions Part 2

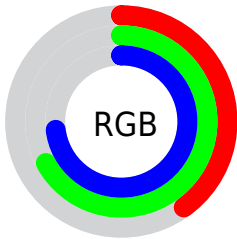
Format	Color
RYB	102, 140, 186
Decimal	6728634
CIELab	66.13, -17.77, -14.51
CIElCh	66, 22.940, 219.226
Yxy	35.4958, 0.2488, 0.3055
Android (android.graphics.Color)	4284918714 (0xFF66ABBA)
YUV	152.0790, 16.7231, -43.9193
Hunter-Lab	59.5784, -17.6525, -9.8300

Details

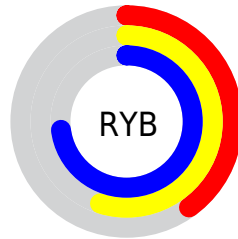
The Yxy color **35.4958, 0.2488, 0.3055** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.1309, 0.4214, 0.3505**, and the grayscale version is **31.3799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9716, 0.2606, 0.3101**, and **15.4679, 0.2301, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **33.2891, 0.2375, 0.2994**, and if you desaturate by 10%, it is **37.9806, 0.2615, 0.3114**.

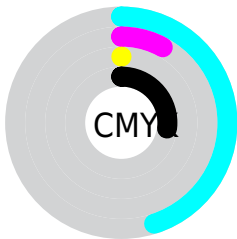
Distribution



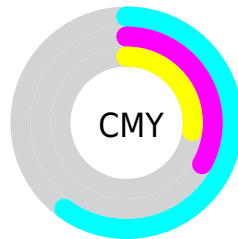
- Red (40%)
- Green (67%)
- Blue (73%)



- Red (40%)
- Yellow (55%)
- Blue (73%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)




- Cyan (60%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4958, 0.2488, 0.3055 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 35.4958, 0.2488, 0.3055 by changing the saturation by 10% instead.


 35.4958, 0.2488,
0.3055


 35.4958, 0.2488,
0.3055


326.7514, 0.2814,
0.3184

 24.0450, 0.2405,
0.3019


 68.2531, 0.2608,
0.3105


 15.3670, 0.2297,
0.2970


 90.3285, 0.2653,
0.3123

 9.0774, 0.2153,
0.2900


 116.7142, 0.2690,
0.3138

 4.7917, 0.1950,
0.2795

 147.7946, 0.2722,
0.3150

 2.1256, 0.1649,
0.2620

183.9541, 0.2750,
0.3161

 0.6789, 0.0735,
0.2358

225.5772, 0.2774,

 0.0000, 0.0000,

0.3170

0.0000

273.0481, 0.2796,
0.3178

■ 35.4958, 0.2488,
0.3055

■ 35.4958, 0.2488,
0.3055

■ 33.2891, 0.2375,
0.2994

■ 37.9806, 0.2615,
0.3114

■ 31.3398, 0.2279,
0.2931

■ 40.7547, 0.2752,
0.3169

■ 29.6303, 0.2201,
0.2867


■ 43.8335, 0.2898,
0.3220

■ 28.1391, 0.2142,
0.2803

■ 47.2298, 0.3049,
0.3267

■ 26.8396, 0.2102,
0.2739

■ 50.9560, 0.3201,
0.3310

 26.2509, 0.2086,
0.2708

 55.0236, 0.3354,
0.3349

 59.4435, 0.3504,
0.3383

 64.2260, 0.3651,
0.3414

 66.5401, 0.3676,
0.3446

Harmonies

Analogous

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



35.4958, 0.2638, 0.3384



35.4958, 0.2488, 0.3055



35.4958, 0.2498, 0.2818

Triad

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



35.4958, 0.2488, 0.3055



35.4958, 0.3314, 0.2923



35.4958, 0.3589, 0.3896

Complementary

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



35.4958, 0.2488, 0.3055



24.1309, 0.4214, 0.3505

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.



35.4958, 0.3793, 0.3728



35.4958, 0.2488, 0.3055



35.4958, 0.3633, 0.3174

Square

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



35.4958, 0.2488, 0.3055



35.4958, 0.2958, 0.2759



35.4958, 0.3812, 0.3462



35.4958, 0.3266, 0.3896

Rectangle

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



35.4958, 0.2488, 0.3055



35.4958, 0.2593, 0.2735



35.4958, 0.3812, 0.3462



35.4958, 0.3674, 0.3855

Sweetspot

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



35.4972, 0.2488, 0.3055



79.9840, 0.2912, 0.3225



39.2088, 0.2973, 0.4449



17.3340, 0.2879, 0.3214



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.4972, 0.2488, 0.3055



60.4294, 0.2378, 0.2995



22.3427, 0.2369, 0.2370



9.9302, 0.2985, 0.3248



17.7584, 0.2088, 0.2717



0.6983, 0.2133, 0.2880

Inverse Universe

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



22.8884, 0.3354, 0.2372



35.4932, 0.3417, 0.2197



35.8584, 0.3946, 0.4056



9.1344, 0.3164, 0.3104



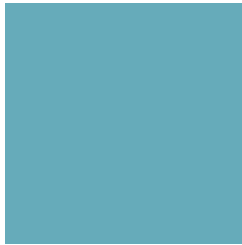
8.5751, 0.3712, 0.1819



0.3096, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 35.4958, 0.2488, 0.3055 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 35.4958, 0.2488, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

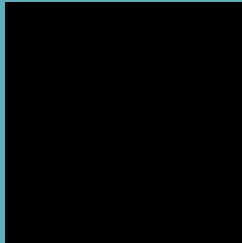
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4958, 0.2488, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 35.4958, 0.2488, 0.3055.



This preview shows how white text looks on a background with the Yxy color 35.4958, 0.2488, 0.3055.

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

35.4958, 0.2488, 0.3055

Protanopia

35.1787, 0.2945, 0.3017

Deuteranopia

35.0281, 0.2889, 0.2829



Tritanopia

35.4534, 0.2494, 0.3070

Trichromacy



Original Color

35.4958, 0.2488, 0.3055

Protanomaly

34.8489, 0.2752, 0.3021

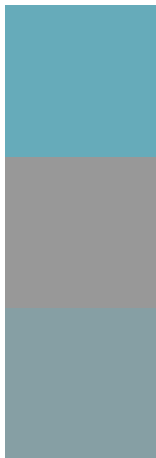
Deuteranomaly

34.6960, 0.2722, 0.2894

Tritanomaly

35.4534, 0.2494, 0.3070

Monochromacy



Original Color

35.4958, 0.2488, 0.3055

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5449, 0.2854, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4958, 0.2488, 0.3055 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(102, 171, 186)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 186)  
}
```

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(102, 171, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 186) }
```

Border

The CSS property to change the border of an element to Yxy 35.4958, 0.2488, 0.3055 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(102, 171, 186) }
```

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

```
.border{ border-color:rgb(102, 171, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 186);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4958, 0.2488, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 186) }
```

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

```
.background{ background-color: rgb(102,  
171, 186) }
```

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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