

Converting Colors

$Y_{xy}(34.3212, 0.2484, 0.3288)$

Have a look what the booklet for
Yxy(34.3212, 0.2484, 0.3288)
contains.

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Color

Yxy(34.4620, 0.2484, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	56ACAC
RGB	86, 172, 172
RGB Percent	34%, 67%, 67%
CMY	0.6629, 0.3255, 0.3254
CMYK	0.50, 0.00, 0.00, 0.33
HSL	180°, 34%, 51%
HSV	180°, 50%, 67%
XYZ	26.0352, 34.4620, 44.3143
YIQ	146.2860, -51.2560, -18.2320

Conversions

Conversions Part 2

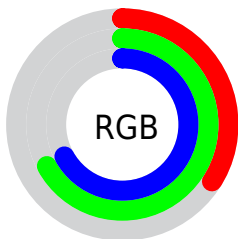
Format	Color
RYB	86, 129, 172
Decimal	5680300
CIELab	65.33, -25.83, -7.99
CIELCh	65, 27.038, 197.198
Yxy	34.4620, 0.2484, 0.3288
Android (android.graphics.Color)	4283870380 (0xFF56ACAC)
YUV	146.2860, 12.6770, -52.8708
Hunter-Lab	58.7043, -23.5685, -3.6633

Details

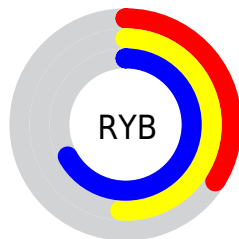
The Yxy color **34.4620, 0.2484, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0951, 0.4507, 0.3294**, and the grayscale version is **28.8287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7836, 0.2608, 0.3301**, and **14.7091, 0.2284, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **33.7427, 0.2401, 0.3288**, and if you desaturate by 10%, it is **35.3804, 0.2585, 0.3288**.

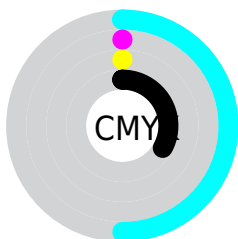
Distribution



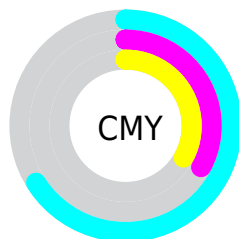
- Red (34%)
- Green (67%)
- Blue (67%)



- Red (34%)
- Yellow (51%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)





- Cyan (66%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4620, 0.2484, 0.3288 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 34.4620, 0.2484, 0.3288 by changing the saturation by 10% instead.

 34.4620, 0.2484,
0.3288


 34.4620, 0.2484,
0.3288


322.1872, 0.2816,
0.3296


 23.2487, 0.2398,
0.3283


 66.6515, 0.2607,
0.3293


 14.7773, 0.2287,
0.3275


 88.3965, 0.2652,
0.3294

 8.6632, 0.2136,
0.3261


 114.4209, 0.2690,
0.3295

 4.5222, 0.1921,
0.3234

 145.1090, 0.2723,
0.3295

 1.9697, 0.1596,
0.3174

180.8453, 0.2751,
0.3296

 0.5898, 0.0000,
0.3257

222.0142, 0.2775,

 0.0000, 0.0000,

0.3296

0.0000

269.0000, 0.2797,
0.3296

■ 34.4620, 0.2484,
0.3288

■ 34.4620, 0.2484,
0.3288

■ 33.7427, 0.2401,
0.3288

■ 35.3804, 0.2585,
0.3288

■ 33.2042, 0.2336,
0.3288

■ 36.5069, 0.2702,
0.3289

■ 32.8315, 0.2290,
0.3287

■ 37.8545, 0.2834,
0.3289

■ 32.6054, 0.2262,
0.3287

■ 39.4342, 0.2976,
0.3290

■ 32.4843, 0.2247,
0.3287

■ 41.2562, 0.3127,
0.3290

■ 43.3301, 0.3283,
0.3290

■ 45.6651, 0.3442,
0.3291

■ 48.2696, 0.3601,
0.3291

■ 51.1520, 0.3759,
0.3292

Harmonies

Analogous

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



34.4620, 0.2777, 0.3694



34.4620, 0.2484, 0.3288



34.4620, 0.2359, 0.2917

Triad

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



34.4620, 0.2484, 0.3288



34.4620, 0.3033, 0.2705



34.4620, 0.3872, 0.3872

Complementary

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



34.4620, 0.2484, 0.3288



16.0951, 0.4507, 0.3294

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.



34.4620, 0.3961, 0.3575



34.4620, 0.2484, 0.3288



34.4620, 0.3459, 0.2927

Square

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



34.4620, 0.2484, 0.3288



34.4620, 0.2659, 0.2614



34.4620, 0.3808, 0.3237



34.4620, 0.3579, 0.4035

Rectangle

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



34.4620, 0.2484, 0.3288



34.4620, 0.2380, 0.2742



34.4620, 0.3808, 0.3237



34.4620, 0.3928, 0.3783

Sweetspot

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



34.4633, 0.2484, 0.3288



69.9717, 0.2900, 0.3289



32.1577, 0.3054, 0.4846



15.0821, 0.2871, 0.3289



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.



34.4633, 0.2484, 0.3288



61.0875, 0.2393, 0.3288



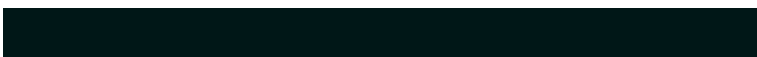
20.6542, 0.2339, 0.2525



9.0720, 0.2987, 0.3290



24.1703, 0.2247, 0.3287



0.6724, 0.2247, 0.3287

Inverse Universe

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



18.4017, 0.3183, 0.2108



28.5863, 0.3192, 0.1901



25.1415, 0.4152, 0.3932



8.1481, 0.3138, 0.3067



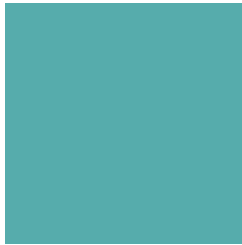
8.7431, 0.3209, 0.1542



0.2432, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 34.4620, 0.2484, 0.3288 looks on a white background.

Color Contrast Check

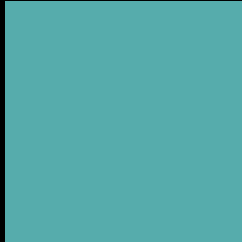
Large Text (above 18pt) WCAG AA × Fail

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 34.4620, 0.2484, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

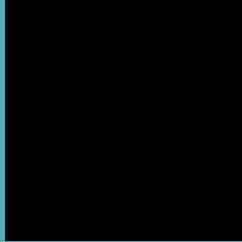
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

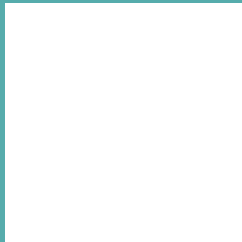
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.4620, 0.2484, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 34.4620, 0.2484, 0.3288.

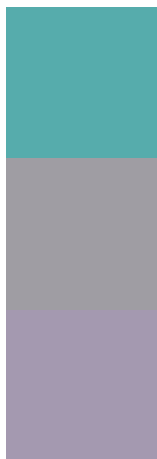


This preview shows how white text looks on a background with the Yxy color 34.4620, 0.2484, 0.3288.

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

34.4620, 0.2484, 0.3288

Protanopia

34.1292, 0.3093, 0.3202

Deuteranopia

33.8096, 0.3026, 0.2962



Tritanopia

34.3838, 0.2429, 0.3065

Trichromacy



Original Color

34.4620, 0.2484, 0.3288

Protanomaly

33.4994, 0.2824, 0.3227

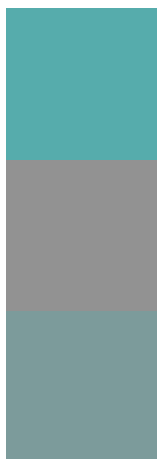
Deuteranomaly

33.4710, 0.2786, 0.3061

Tritanomaly

34.5450, 0.2450, 0.3143

Monochromacy



Original Color

34.4620, 0.2484, 0.3288

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.0943, 0.2836, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4620, 0.2484, 0.3288 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(86, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(86, 172, 172)  
}
```

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(86, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 172, 172) }
```

Border

The CSS property to change the border of an element to Yxy 34.4620, 0.2484, 0.3288 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(86, 172, 172) }
```

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

```
.border{ border-color:rgb(86, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 172,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4620, 0.2484, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 172, 172) }
```

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

```
.background{ background-color: rgb(86, 172,  
172) }
```

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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