

Converting Colors

$Yxy(34.0976, 0.2239, 0.2899)$

Have a look what the booklet for
Yxy(34.0976, 0.2239, 0.2899)
contains.

Yxy(34.0411, 0.2236, 0.2890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0411, 0.2236, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	3BABC4
RGB	59, 171, 196
RGB Percent	23%, 67%, 77%
CMY	0.7680, 0.3295, 0.2313
CMYK	0.70, 0.13, 0.00, 0.23
HSL	191°, 54%, 50%
HSV	191°, 70%, 77%
XYZ	26.3377, 34.0411, 57.4105
YIQ	140.3620, -74.7770, -15.9690

Conversions

Conversions Part 2

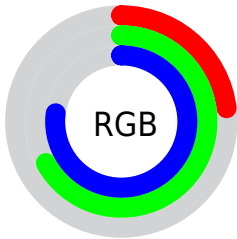
Format	Color
RYB	59, 121, 196
Decimal	3910596
CIELab	65.00, -23.14, -21.93
CIELCh	65, 31.882, 223.456
Yxy	34.0411, 0.2236, 0.2890
Android (android.graphics.Color)	4282100676 (0xFF3BABC4)
YUV	140.3620, 27.4295, -71.3545
Hunter-Lab	58.3448, -21.5258, -17.4993

Details

The Yxy color **34.0411, 0.2236, 0.2890** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **18.4230, 0.5196, 0.3579**, and the grayscale version is **26.3042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2410, 0.2398, 0.2977**, and **14.9099, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **32.2145, 0.2167, 0.2824**, and if you desaturate by 10%, it is **36.1318, 0.2324, 0.2955**.

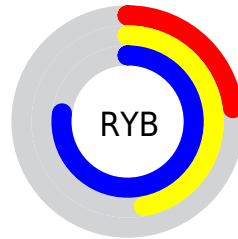
Distribution



Red (23%)

Green (67%)

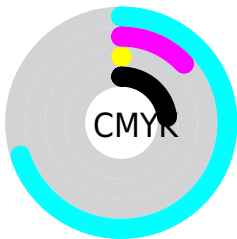
Blue (77%)



Red (23%)

Yellow (47%)

Blue (77%)

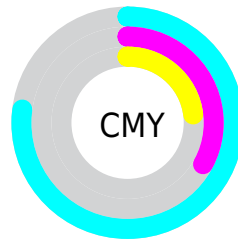


Cyan (70%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (77%)


Magenta (33%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0411, 0.2236, 0.2890 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 34.0411, 0.2236, 0.2890 by changing the saturation by 10% instead.


 34.0411, 0.2236,
0.2890


 34.0411, 0.2236,
0.2890


 320.3153, 0.2687,
0.3111


 22.9252, 0.2123,
0.2828


 65.9976, 0.2401,
0.2975


 14.5383, 0.1979,
0.2745


 87.6069, 0.2462,
0.3006


 8.4960, 0.1789,
0.2629


 113.4829, 0.2514,
0.3031

 4.4139, 0.1532,
0.2455

 144.0098, 0.2559,
0.3052

 1.9077, 0.1170,
0.2178

 179.5721, 0.2598,
0.3070

 0.5530, 0.0000,
0.1714

220.5542, 0.2631,

 0.0000, 0.0000,

0.3086

0.0000

267.3404, 0.2661,
0.3100

■ 34.0411, 0.2236,
0.2890

■ 34.0411, 0.2236,
0.2890

■ 32.2145, 0.2167,
0.2824

■ 36.1318, 0.2324,
0.2955

■ 30.6215, 0.2116,
0.2758

■ 38.5057, 0.2430,
0.3019

■ 29.2127, 0.2082,
0.2693

■ 41.1842, 0.2551,
0.3081

■ 29.1874, 0.2081,
0.2692

■ 44.1853, 0.2685,
0.3139

■ 47.5256, 0.2828,
0.3194

■ 51.2203, 0.2977,
0.3245

■ 55.2839, 0.3130,
0.3291

■ 59.7296, 0.3283,
0.3332

■ 64.5704, 0.3435,
0.3370

Harmonies

Analogous

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



34.0411, 0.2404, 0.3344



34.0411, 0.2236, 0.2890



34.0411, 0.2281, 0.2598

Triad

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



34.0411, 0.2236, 0.2890



34.0411, 0.3456, 0.2827



34.0411, 0.3707, 0.4160

Complementary

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



34.0411, 0.2236, 0.2890



18.4230, 0.5196, 0.3579

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.



34.0411, 0.4033, 0.3928



34.0411, 0.2236, 0.2890



34.0411, 0.3893, 0.3173

Square

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



34.0411, 0.2236, 0.2890



34.0411, 0.2952, 0.2587



34.0411, 0.4109, 0.3566



34.0411, 0.3240, 0.4141

Rectangle

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



34.0411, 0.2236, 0.2890



34.0411, 0.2427, 0.2511



34.0411, 0.4109, 0.3566



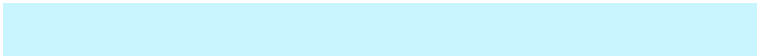
34.0411, 0.3838, 0.4105

Sweetspot

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



34.0423, 0.2236, 0.2890



85.1319, 0.2806, 0.3186



41.0265, 0.2929, 0.5208



17.8507, 0.2765, 0.3171



0.0000, 0.0000, 0.0000



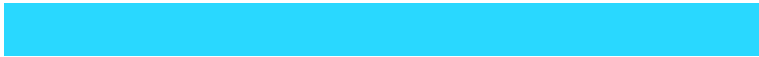
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0423, 0.2236, 0.2890



56.7170, 0.2137, 0.2788



14.9786, 0.1954, 0.1741



11.1051, 0.2984, 0.3247



18.8687, 0.2084, 0.2701



0.8986, 0.2124, 0.2846

Inverse Universe

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



17.8213, 0.3529, 0.1985



27.7817, 0.3638, 0.1858



33.9923, 0.4460, 0.4390



10.2149, 0.3165, 0.3104



9.1870, 0.3727, 0.1827



0.4054, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 34.0411, 0.2236, 0.2890 looks on a white background.

Color Contrast Check

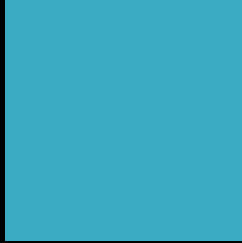
Large Text (above 18pt) WCAG AA × Fail

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 34.0411, 0.2236, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

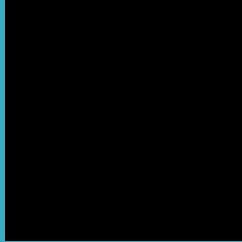
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0411, 0.2236, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 34.0411, 0.2236, 0.2890.



This preview shows how white text looks on a background with the Yxy color 34.0411, 0.2236, 0.2890.

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

34.0411, 0.2236, 0.2890

Protanopia

33.5248, 0.2832, 0.2856

Deuteranopia

33.6709, 0.2699, 0.2643



Tritanopia

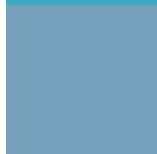
34.2319, 0.2268, 0.3059

Trichromacy



Original Color

34.0411, 0.2236, 0.2890



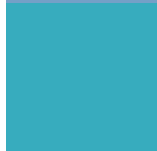
Protanomaly

33.0154, 0.2548, 0.2861



Deuteranomaly

32.9781, 0.2468, 0.2706



Tritanomaly

34.0350, 0.2256, 0.2996

Monochromacy



Original Color

34.0411, 0.2236, 0.2890



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.0508, 0.2680, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0411, 0.2236, 0.2890 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(59, 171, 196)` looks like.

```
.text, #text, p{  
    color:rgb(59, 171, 196)  
}
```

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(59, 171, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 171, 196) }
```

Border

The CSS property to change the border of an element to Yxy 34.0411, 0.2236, 0.2890 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(59, 171, 196) }
```

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

```
.border{ border-color:rgb(59, 171, 196) }
```

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

Here you see how a box with a 4 pixel rgb(59, 171, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 171, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 171, 196);  
box-shadow:4px 4px 4px 4px rgb(59, 171,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0411, 0.2236, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 171, 196) }
```

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

```
.background{ background-color: rgb(59, 171,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor