

Converting Colors

$Y_{xy}(34.0472, 0.2221, 0.2845)$

Have a look what the booklet for
Yxy(34.0472, 0.2221, 0.2845)
contains.

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Color

Yxy(34.1791, 0.2221, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	3BABC7
RGB	59, 171, 199
RGB Percent	23%, 67%, 78%
CMY	0.7690, 0.3294, 0.2195
CMYK	0.70, 0.14, 0.00, 0.22
HSL	192°, 56%, 51%
HSV	192°, 70%, 78%
XYZ	26.6731, 34.1791, 59.2430
YIQ	140.7040, -75.7400, -15.0360

Conversions

Conversions Part 2

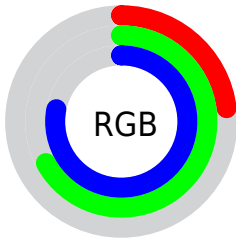
Format	Color
R _Y B	59, 121, 199
Decimal	3910599
CIE Lab	65.10, -22.24, -23.44
CIE LCh	65, 32.310, 226.511
Yxy	34.1791, 0.2221, 0.2846
Android (android.graphics.Color)	4282100679 (0xFF3BABC7)
YUV	140.7040, 28.7399, -71.6544
Hunter-Lab	58.4629, -20.8711, -19.1571

Details

The Yxy color **34.1791, 0.2221, 0.2846** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.2643, 0.5197, 0.3608**, and the grayscale version is **26.4120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4433, 0.2394, 0.2955**, and **15.2380, 0.2088, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **32.2037, 0.2150, 0.2773**, and if you desaturate by 10%, it is **36.4338, 0.2311, 0.2918**.

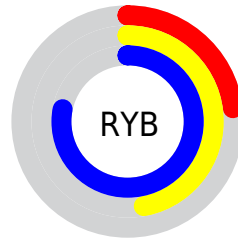
Distribution



Red (23%)

Green (67%)

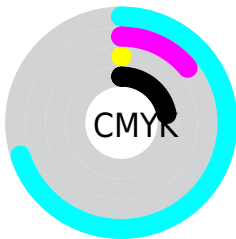
Blue (78%)



Red (23%)

Yellow (47%)

Blue (78%)

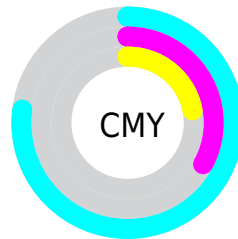


Cyan (70%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (77%)


Magenta (33%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1791, 0.2221, 0.2846 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 34.1791, 0.2221, 0.2846 by changing the saturation by 10% instead.


 34.1791, 0.2221,
0.2846


 34.1791, 0.2221,
0.2846


320.9299, 0.2679,
0.3090

 23.0312, 0.2107,
0.2779


 66.2121, 0.2388,
0.2939


 14.6166, 0.1962,
0.2689


 87.8660, 0.2450,
0.2973


 8.5507, 0.1771,
0.2564


 113.7907, 0.2503,
0.3001

 4.4493, 0.1513,
0.2380

 144.3706, 0.2548,
0.3024

 1.9279, 0.1153,
0.2091

 179.9900, 0.2588,
0.3044

 0.5651, 0.0000,
0.1624

221.0335, 0.2622,

 0.0000, 0.0000,

0.3061

0.0000

267.8853, 0.2652,
0.3076

■ 34.1791, 0.2221,
0.2846

■ 34.1791, 0.2221,
0.2846

■ 32.2037, 0.2150,
0.2773

■ 36.4338, 0.2311,
0.2918

■ 30.4756, 0.2099,
0.2701

■ 38.9882, 0.2418,
0.2989

■ 29.0006, 0.2064,
0.2632

■ 41.8646, 0.2540,
0.3057

■ 45.0819, 0.2675,
0.3121

■ 48.6575, 0.2819,
0.3182

■ 52.6075, 0.2968,
0.3237

■ 56.9468, 0.3121,
0.3288

■ 61.6895, 0.3274,
0.3334

■ 66.8491, 0.3425,
0.3375

Harmonies

Analogous

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



34.1791, 0.2369, 0.3292



34.1791, 0.2221, 0.2846



34.1791, 0.2289, 0.2570

Triad

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



34.1791, 0.2221, 0.2846



34.1791, 0.3511, 0.2853



34.1791, 0.3670, 0.4182

Complementary

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



34.1791, 0.2221, 0.2846



19.2643, 0.5197, 0.3608

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.



34.1791, 0.4020, 0.3967



34.1791, 0.2221, 0.2846



34.1791, 0.3937, 0.3211

Square

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



34.1791, 0.2221, 0.2846



34.1791, 0.2999, 0.2597



34.1791, 0.4126, 0.3608



34.1791, 0.3190, 0.4133

Rectangle

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



34.1791, 0.2221, 0.2846



34.1791, 0.2449, 0.2497



34.1791, 0.4126, 0.3608



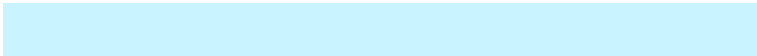
34.1791, 0.3807, 0.4134

Sweetspot

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



34.1803, 0.2221, 0.2846



84.5768, 0.2805, 0.3176



42.4374, 0.2918, 0.5192



17.7172, 0.2764, 0.3160



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.



34.1803, 0.2221, 0.2846



54.8569, 0.2123, 0.2738



14.8061, 0.1935, 0.1686



11.6933, 0.2984, 0.3243



18.7672, 0.2067, 0.2642



0.9829, 0.2109, 0.2791

Inverse Universe

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



18.2041, 0.3568, 0.2000



27.5939, 0.3684, 0.1885



35.7892, 0.4450, 0.4422



10.7789, 0.3168, 0.3107



9.4346, 0.3784, 0.1858



0.4562, 0.3643, 0.1780

Previews

White Background



This preview shows how the Yxy color 34.1791, 0.2221, 0.2846 looks on a white background.

Color Contrast Check

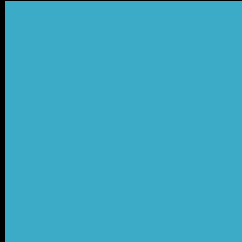
Large Text (above 18pt) WCAG AA × Fail

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 34.1791, 0.2221, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

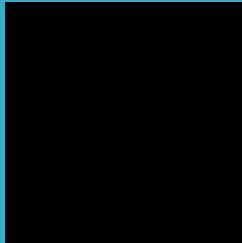
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1791, 0.2221, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 34.1791, 0.2221, 0.2846.

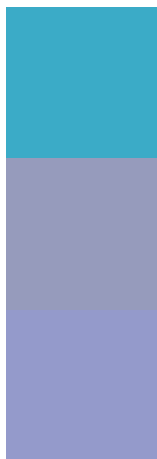


This preview shows how white text looks on a background with the Yxy color 34.1791, 0.2221, 0.2846.

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

34.1791, 0.2221, 0.2846

Protanopia

33.5576, 0.2799, 0.2815

Deuteranopia

33.7189, 0.2669, 0.2605



Tritanopia

34.1788, 0.2262, 0.3059

Trichromacy



Original Color

34.1791, 0.2221, 0.2846

Protanomaly

33.0774, 0.2522, 0.2818

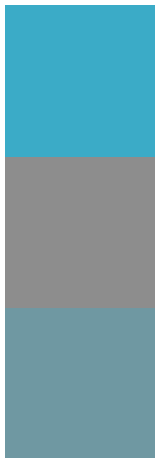
Deuteranomaly

33.1189, 0.2450, 0.2666

Tritanomaly

34.0509, 0.2248, 0.2981

Monochromacy



Original Color

34.1791, 0.2221, 0.2846

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.4446, 0.2667, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1791, 0.2221, 0.2846 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(59, 171, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 171, 199) }
```

Border

The CSS property to change the border of an element to Yxy 34.1791, 0.2221, 0.2846 is called "border". The border property can be set on classes, ids or directly on the HTML element.

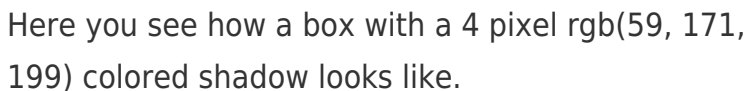
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(59, 171, 199) }
```

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

```
.border{ border-color:rgb(59, 171, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(59, 171,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1791, 0.2221, 0.2846 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, 199) }
```

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

```
.background{ background-color: rgb(59, 171,  
199) }
```

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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