

Converting Colors

$Y_{xy}(34.0472, 0.2179, 0.2778)$

Have a look what the booklet for
Yxy(34.0472, 0.2179, 0.2778)
contains.

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Color

Yxy(34.1677, 0.2182, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	34ABCB
RGB	52, 171, 203
RGB Percent	20%, 67%, 80%
CMY	0.7968, 0.3293, 0.2040
CMYK	0.74, 0.16, 0.00, 0.20
HSL	193°, 59%, 50%
HSV	193°, 74%, 80%
XYZ	26.7506, 34.1677, 61.6784
YIQ	139.0670, -81.1960, -15.2760

Conversions

Conversions Part 2

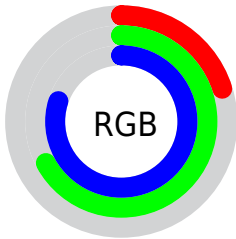
Format	Color
R _Y B	52, 119, 203
Decimal	3451851
CIE Lab	65.10, -21.88, -25.66
CIE LCh	65, 33.725, 229.549
Yxy	34.1677, 0.2182, 0.2787
Android (android.graphics.Color)	4281641931 (0xFF34ABCB)
YUV	139.0670, 31.5190, -76.3578
Hunter-Lab	58.4531, -20.6039, -21.6442

Details

The Yxy color **34.1677, 0.2182, 0.2787** 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 **19.2515, 0.5348, 0.3626**, and the grayscale version is **25.7281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1512, 0.2378, 0.2953**, and **15.3636, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **32.1469, 0.2118, 0.2709**, and if you desaturate by 10%, it is **36.4748, 0.2266, 0.2864**.

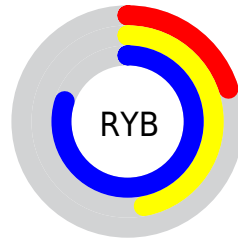
Distribution



Red (20%)

Green (67%)

Blue (80%)



Red (20%)

Yellow (47%)

Blue (80%)

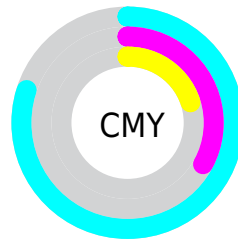


Cyan (74%)

Magenta (16%)

Yellow (0%)

Black (20%)



Cyan (80%)


Magenta (33%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1677, 0.2182, 0.2787 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 34.1677, 0.2182, 0.2787 by changing the saturation by 10% instead.


 34.1677, 0.2182,
0.2787


 34.1677, 0.2182,
0.2787


320.8792, 0.2658,
0.3061

 23.0225, 0.2064,
0.2712


 66.1944, 0.2355,
0.2891


 14.6101, 0.1915,
0.2613


 87.8446, 0.2420,
0.2929


 8.5462, 0.1719,
0.2476

 113.7653, 0.2475,
0.2961

 4.4464, 0.1457,
0.2277

 144.3408, 0.2522,
0.2987

 1.9263, 0.1097,
0.1970

 179.9555, 0.2563,
0.3010

 0.5641, 0.0005,
0.1478

220.9939, 0.2599,

 0.0000, 0.0000,

0.3029

0.0000

267.8403, 0.2630,
0.3046

■ 34.1677, 0.2182,
0.2787

■ 34.1677, 0.2182,
0.2787

■ 32.1469, 0.2118,
0.2709

■ 36.4748, 0.2266,
0.2864

■ 30.3762, 0.2073,
0.2633

■ 39.0915, 0.2368,
0.2940

■ 29.4716, 0.2053,
0.2590

■ 42.0423, 0.2486,
0.3014

■ 45.3480, 0.2617,
0.3084

■ 49.0277, 0.2758,
0.3150

■ 53.0987, 0.2906,
0.3211

■ 57.5772, 0.3059,
0.3267

■ 62.4785, 0.3212,
0.3317

■ 67.8170, 0.3364,
0.3363

Harmonies

Analogous

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



34.1677, 0.2312, 0.3238



34.1677, 0.2182, 0.2787



34.1677, 0.2274, 0.2523

Triad

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



34.1677, 0.2182, 0.2787



34.1677, 0.3579, 0.2869



34.1677, 0.3644, 0.4231

Complementary

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



34.1677, 0.2182, 0.2787



19.2515, 0.5348, 0.3626

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.



34.1677, 0.4030, 0.4025



34.1677, 0.2182, 0.2787



34.1677, 0.4007, 0.3247

Square

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



34.1677, 0.2182, 0.2787



34.1677, 0.3046, 0.2591



34.1677, 0.4173, 0.3659



34.1677, 0.3138, 0.4150

Rectangle

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



34.1677, 0.2182, 0.2787



34.1677, 0.2454, 0.2462



34.1677, 0.4173, 0.3659



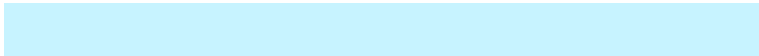
34.1677, 0.3793, 0.4188

Sweetspot

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



34.1689, 0.2182, 0.2787



83.5297, 0.2790, 0.3163



44.0430, 0.2907, 0.5272



17.4943, 0.2750, 0.3146



0.0000, 0.0000, 0.0000



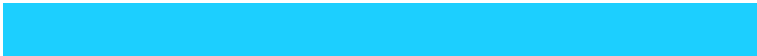
21.4041, 0.3127, 0.3290

Same Dimension

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



34.1689, 0.2182, 0.2787



52.0911, 0.2090, 0.2665



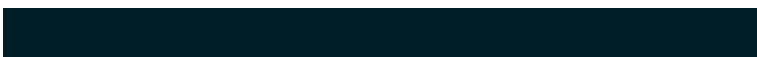
13.6189, 0.1865, 0.1541



12.3085, 0.2983, 0.3240



18.8936, 0.2056, 0.2601



1.0782, 0.2097, 0.2750

Inverse Universe

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



18.0767, 0.3626, 0.1974



26.5977, 0.3756, 0.1888



37.2732, 0.4500, 0.4484



11.3615, 0.3169, 0.3109



9.7103, 0.3823, 0.1880



0.5114, 0.3681, 0.1801

Previews

White Background



This preview shows how the Yxy color 34.1677, 0.2182, 0.2787 looks on a white background.

Color Contrast Check

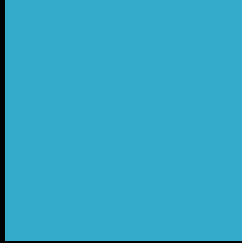
Large Text (above 18pt) WCAG AA × Fail

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 34.1677, 0.2182, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

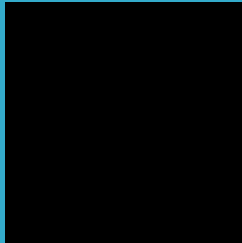
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1677, 0.2182, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 34.1677, 0.2182, 0.2787.

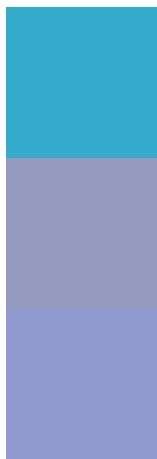


This preview shows how white text looks on a background with the Yxy color 34.1677, 0.2182, 0.2787.

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

34.1677, 0.2182, 0.2787

Protanopia

33.6380, 0.2760, 0.2760

Deuteranopia

33.6359, 0.2617, 0.2551



Tritanopia

34.3343, 0.2231, 0.3058

Trichromacy



Original Color

34.1677, 0.2182, 0.2787



Protanomaly

33.0527, 0.2476, 0.2760



Deuteranomaly

32.9774, 0.2394, 0.2609



Tritanomaly

34.2729, 0.2215, 0.2965

Monochromacy



Original Color

34.1677, 0.2182, 0.2787



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

27.8677, 0.2633, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1677, 0.2182, 0.2787 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(52, 171, 203)` looks like.

```
.text, #text, p{  
    color:rgb(52, 171, 203)  
}
```

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(52, 171, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 171, 203) }
```

Border

The CSS property to change the border of an element to Yxy 34.1677, 0.2182, 0.2787 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(52, 171, 203) }
```

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

```
.border{ border-color:rgb(52, 171, 203) }
```

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

Here you see how a box with a 4 pixel rgb(52, 171, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 171, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 171, 203);  
box-shadow:4px 4px 4px 4px rgb(52, 171,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1677, 0.2182, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 171, 203) }
```

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

```
.background{ background-color: rgb(52, 171,  
203) }
```

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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