

Converting Colors

$Y_{xy}(35.9906, 0.2195, 0.2849)$

Have a look what the booklet for
Yxy(35.9906, 0.2195, 0.2849)
contains.

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Color

Yxy(36.1141, 0.2196, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	33B0CC
RGB	51, 176, 204
RGB Percent	20%, 69%, 80%
CMY	0.8002, 0.3098, 0.2000
CMYK	0.75, 0.14, 0.00, 0.20
HSL	191°, 60%, 50%
HSV	191°, 75%, 80%
XYZ	27.7879, 36.1141, 62.6366
YIQ	141.8170, -83.4880, -17.7920

Conversions

Conversions Part 2

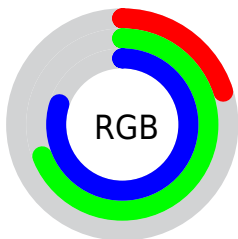
Format	Color
RYB	51, 120, 204
Decimal	3387596
CIELab	66.61, -24.21, -23.91
CIELCh	67, 34.030, 224.638
Yxy	36.1141, 0.2196, 0.2854
Android (android.graphics.Color)	4281577676 (0xFF33B0CC)
YUV	141.8170, 30.6562, -79.6465
Hunter-Lab	60.0950, -22.6281, -19.7310

Details

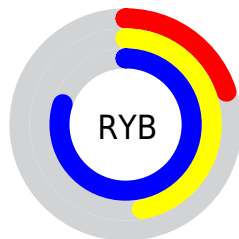
The Yxy color **36.1141, 0.2196, 0.2854** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle muted azure. A complement of this color would be **18.6616, 0.5421, 0.3576**, and the grayscale version is **26.8707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9263, 0.2391, 0.3015**, and **16.3679, 0.2087, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **34.2536, 0.2137, 0.2788**, and if you desaturate by 10%, it is **38.2496, 0.2274, 0.2920**.

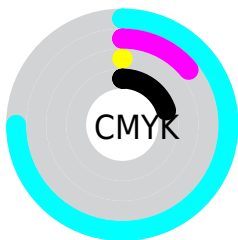
Distribution



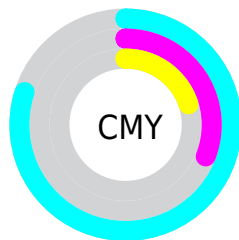
- Red (20%)
- Green (69%)
- Blue (80%)



- Red (20%)
- Yellow (47%)
- Blue (80%)



- Cyan (75%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)





- Cyan (80%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1141, 0.2196, 0.2854 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 36.1141, 0.2196, 0.2854 by changing the saturation by 10% instead.


 36.1141, 0.2196,
0.2854


 36.1141, 0.2196,
0.2854


329.4590, 0.2662,
0.3093

 24.5223, 0.2082,
0.2789


 69.2081, 0.2364,
0.2945


 15.7215, 0.1937,
0.2702


 91.4792, 0.2428,
0.2978


 9.3273, 0.1748,
0.2581


 118.0788, 0.2482,
0.3005

 4.9553, 0.1496,
0.2405

 149.3914, 0.2528,
0.3028

 2.2211, 0.1149,
0.2131

 185.8013, 0.2568,
0.3048

 0.7314, 0.0247,
0.1733

227.6929, 0.2603,

 0.0000, 0.0000,

0.3065

0.0000

275.4507, 0.2634,
0.3080

■ 36.1141, 0.2196,
0.2854

■ 36.1141, 0.2196,
0.2854

■ 34.2536, 0.2137,
0.2788

■ 38.2496, 0.2274,
0.2920

■ 32.6311, 0.2096,
0.2722

■ 40.6837, 0.2371,
0.2985

■ 31.8822, 0.2081,
0.2690

■ 43.4412, 0.2485,
0.3048

■ 46.5431, 0.2613,
0.3109

■ 50.0086, 0.2752,
0.3166

■ 53.8552, 0.2898,
0.3219

■ 58.0993, 0.3050,
0.3267

■ 62.7561, 0.3204,
0.3311

■ 67.8401, 0.3357,
0.3351

Harmonies

Analogous

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



36.1141, 0.2361, 0.3324



36.1141, 0.2196, 0.2854



36.1141, 0.2252, 0.2559

Triad

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



36.1141, 0.2196, 0.2854



36.1141, 0.3491, 0.2819



36.1141, 0.3714, 0.4205

Complementary

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



36.1141, 0.2196, 0.2854



18.6616, 0.5421, 0.3576

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.



36.1141, 0.4064, 0.3967



36.1141, 0.2196, 0.2854



36.1141, 0.3944, 0.3182

Square

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



36.1141, 0.2196, 0.2854



36.1141, 0.2963, 0.2565



36.1141, 0.4157, 0.3590



36.1141, 0.3223, 0.4177

Rectangle

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



36.1141, 0.2196, 0.2854



36.1141, 0.2408, 0.2476



36.1141, 0.4157, 0.3590



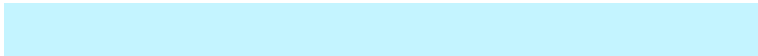
36.1141, 0.3853, 0.4149

Sweetspot

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



36.1154, 0.2196, 0.2854



83.8669, 0.2777, 0.3175



44.4197, 0.2928, 0.5357



17.4776, 0.2724, 0.3155



0.0000, 0.0000, 0.0000



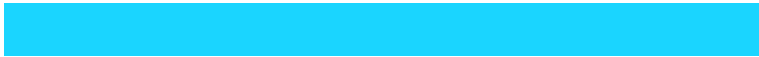
21.4041, 0.3127, 0.3290

Same Dimension

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



36.1154, 0.2196, 0.2854



55.0289, 0.2110, 0.2747



14.5589, 0.1877, 0.1607



12.3644, 0.2983, 0.3247



20.1914, 0.2083, 0.2699



1.1348, 0.2119, 0.2827

Inverse Universe

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



18.3363, 0.3567, 0.1928



26.7817, 0.3680, 0.1838



35.8553, 0.4563, 0.4435



11.3672, 0.3165, 0.3103



9.8413, 0.3729, 0.1828



0.5171, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 36.1141, 0.2196, 0.2854 looks on a white background.

Color Contrast Check

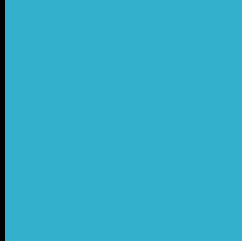
Large Text (above 18pt) WCAG AA × Fail

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 36.1141, 0.2196, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

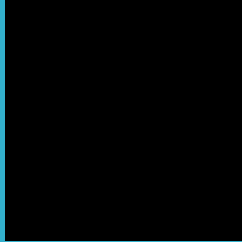
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1141, 0.2196, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 36.1141, 0.2196, 0.2854.

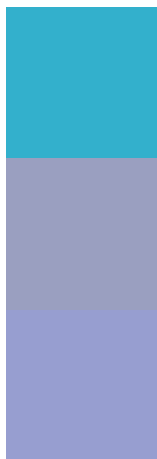


This preview shows how white text looks on a background with the Yxy color 36.1141, 0.2196, 0.2854.

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

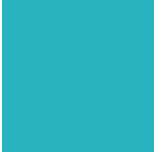
36.1141, 0.2196, 0.2854

Protanopia

35.4721, 0.2806, 0.2825

Deuteranopia

35.5871, 0.2663, 0.2605



Tritanopia

36.1180, 0.2235, 0.3063

Trichromacy



Original Color

36.1141, 0.2196, 0.2854



Protanomaly

34.6777, 0.2506, 0.2826



Deuteranomaly

35.0601, 0.2427, 0.2677



Tritanomaly

35.9877, 0.2221, 0.2986

Monochromacy



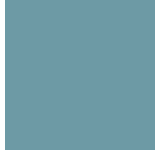
Original Color

36.1141, 0.2196, 0.2854



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.0790, 0.2633, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1141, 0.2196, 0.2854 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(51, 176, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 176, 204)  
}
```

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(51, 176, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 176, 204) }
```

Border

The CSS property to change the border of an element to Yxy 36.1141, 0.2196, 0.2854 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(51, 176, 204) }
```

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

```
.border{ border-color:rgb(51, 176, 204) }
```

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

Here you see how a box with a 4 pixel rgb(51, 176, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 176,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1141, 0.2196, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 176, 204) }
```

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

```
.background{ background-color: rgb(51, 176,  
204) }
```

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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