

Converting Colors

$Y_{xy}(35.8503, 0.2145, 0.2880)$

Have a look what the booklet for
Yxy(35.8503, 0.2145, 0.2880)
contains.

Yxy(35.8752, 0.2145, 0.2879)	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(35.8752, 0.2145, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	11B1CB
RGB	17, 177, 203
RGB Percent	7%, 69%, 80%
CMY	0.9339, 0.3058, 0.2040
CMYK	0.92, 0.13, 0.00, 0.20
HSL	188°, 85%, 43%
HSV	188°, 92%, 80%
XYZ	26.7288, 35.8752, 62.0059
YIQ	132.1240, -103.7060, -25.8340

Conversions

Conversions Part 2

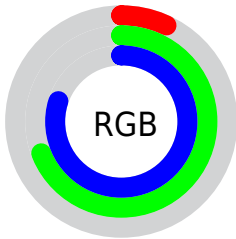
Format	Color
R _{YB}	17, 103, 203
Decimal	1159627
CIE Lab	66.42, -27.70, -23.66
CIE LCh	66, 36.431, 220.510
Yxy	35.8752, 0.2145, 0.2879
Android (android.graphics.Color)	4279349707 (0xFF11B1CB)
YUV	132.1240, 34.9419, -100.9637
Hunter-Lab	59.8959, -25.1614, -19.4515

Details

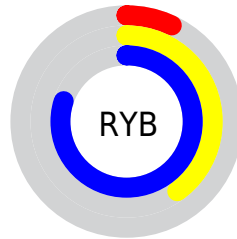
The Yxy color **35.8752, 0.2145, 0.2879** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.4495, 0.6092, 0.3441**, and the grayscale version is **23.0049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5620, 0.2343, 0.3024**, and **16.5852, 0.2099, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **34.8378, 0.2122, 0.2839**, and if you desaturate by 10%, it is **37.2856, 0.2186, 0.2928**.

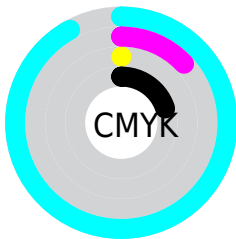
Distribution



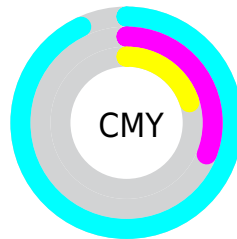
- Red (7%)
- Green (69%)
- Blue (80%)



- Red (7%)
- Yellow (40%)
- Blue (80%)



- Cyan (92%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (93%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8752, 0.2145, 0.2879 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 35.8752, 0.2145, 0.2879 by changing the saturation by 10% instead.

 35.8752, 0.2145,
0.2879


 35.8752, 0.2145,
0.2879


328.4147, 0.2635,
0.3107

 24.3378, 0.2025,
0.2815


 68.8394, 0.2322,
0.2967

 15.5844, 0.1873,
0.2730


 91.0350, 0.2389,
0.2999


 9.2306, 0.1677,
0.2611


 117.5522, 0.2445,
0.3025

 4.8919, 0.1415,
0.2436

 148.7752, 0.2494,
0.3047

 2.1840, 0.1058,
0.2160

 185.0886, 0.2537,
0.3065

 0.7112, 0.0000,
0.1775

226.8768, 0.2574,

 0.0000, 0.0000,

0.3081

0.0000

274.5240, 0.2606,
0.3095

■ 35.8752, 0.2145,
0.2879

■ 35.8752, 0.2145,
0.2879

■ 34.8378, 0.2122,
0.2839

■ 37.2856, 0.2186,
0.2928

■ 38.9267, 0.2245,
0.2977

■ 40.8304, 0.2324,
0.3027

■ 43.0218, 0.2421,
0.3075

■ 45.5234, 0.2535,
0.3122

■ 48.3549, 0.2663,
0.3167

■ 51.5346, 0.2802,
0.3209

■ 55.0792, 0.2949,
0.3248

■ 59.0043, 0.3101,
0.3284

Harmonies

Analogous

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



35.8752, 0.2350, 0.3402



35.8752, 0.2145, 0.2879



35.8752, 0.2173, 0.2538

Triad

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



35.8752, 0.2145, 0.2879



35.8752, 0.3438, 0.2742



35.8752, 0.3816, 0.4249

Complementary

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



35.8752, 0.2145, 0.2879



14.4495, 0.6092, 0.3441

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.



35.8752, 0.4162, 0.3958



35.8752, 0.2145, 0.2879



35.8752, 0.3949, 0.3114

Square

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



35.8752, 0.2145, 0.2879



35.8752, 0.2875, 0.2493



35.8752, 0.4220, 0.3545



35.8752, 0.3301, 0.4271

Rectangle

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



35.8752, 0.2145, 0.2879



35.8752, 0.2318, 0.2432



35.8752, 0.4220, 0.3545



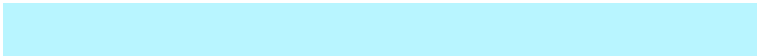
35.8752, 0.3957, 0.4174

Sweetspot

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



35.8765, 0.2145, 0.2879



82.6874, 0.2708, 0.3181



42.9875, 0.2961, 0.5787



17.2215, 0.2649, 0.3162



0.0000, 0.0000, 0.0000



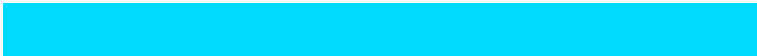
21.4041, 0.3127, 0.3290

Same Dimension

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



35.8765, 0.2145, 0.2879



58.0987, 0.2120, 0.2832



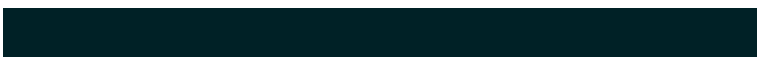
10.9413, 0.1717, 0.1317



12.4497, 0.2983, 0.3257



22.2745, 0.2124, 0.2846



1.2244, 0.2150, 0.2941

Inverse Universe

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



16.2653, 0.3559, 0.1767



26.3962, 0.3605, 0.1759



29.9885, 0.4912, 0.4417



11.3758, 0.3159, 0.3093



10.0516, 0.3593, 0.1753



0.5261, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 35.8752, 0.2145, 0.2879 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 35.8752, 0.2145, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

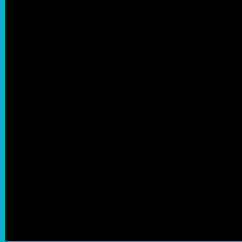
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8752, 0.2145, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 35.8752, 0.2145, 0.2879.

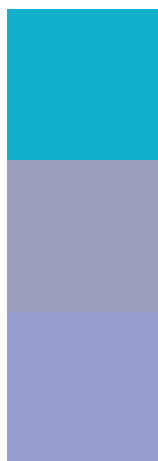


This preview shows how white text looks on a background with the Yxy color 35.8752, 0.2145, 0.2879.

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

35.8752, 0.2145, 0.2879

Protanopia

35.3840, 0.2822, 0.2851

Deuteranopia

35.5380, 0.2670, 0.2618



Tritanopia

35.6910, 0.2179, 0.3044

Trichromacy



Original Color

35.8752, 0.2145, 0.2879



Protanomaly

34.1556, 0.2432, 0.2845



Deuteranomaly

34.1913, 0.2356, 0.2678



Tritanomaly

35.9107, 0.2166, 0.2983

Monochromacy



Original Color

35.8752, 0.2145, 0.2879



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.8221, 0.2527, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8752, 0.2145, 0.2879 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(17, 177, 203)` looks like.

```
.text, #text, p{  
    color:rgb(17, 177, 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(17, 177, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 177, 203) }
```

Border

The CSS property to change the border of an element to Yxy 35.8752, 0.2145, 0.2879 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(17, 177, 203) }
```

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

```
.border{ border-color:rgb(17, 177, 203) }
```

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

Here you see how a box with a 4 pixel rgb(17, 177, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 177, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 177, 203);  
box-shadow:4px 4px 4px 4px rgb(17, 177,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8752, 0.2145, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 177, 203) }
```

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

```
.background{ background-color: rgb(17, 177,  
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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