

Converting Colors

$Y_{xy}(36.3501, 0.2140, 0.2866)$

Have a look what the booklet for
Yxy(36.3501, 0.2140, 0.2866)
contains.

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Color

Yxy(36.3587, 0.2140, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	10B2CD
RGB	16, 178, 205
RGB Percent	6%, 70%, 80%
CMY	0.9392, 0.3019, 0.1960
CMYK	0.92, 0.13, 0.00, 0.20
HSL	189°, 86%, 43%
HSV	189°, 92%, 80%
XYZ	27.1485, 36.3587, 63.3550
YIQ	132.6400, -105.2190, -25.9470

Conversions

Conversions Part 2

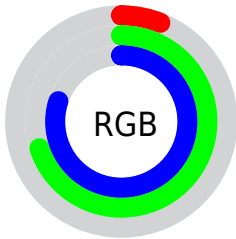
Format	Color
R _Y B	16, 103, 205
Decimal	1094349
CIE Lab	66.79, -27.58, -24.22
CIE LCh	67, 36.708, 221.290
Yxy	36.3587, 0.2140, 0.2866
Android (android.graphics.Color)	4279284429 (0xFF10B2CD)
YUV	132.6400, 35.6735, -102.2933
Hunter-Lab	60.2982, -25.1544, -20.0870

Details

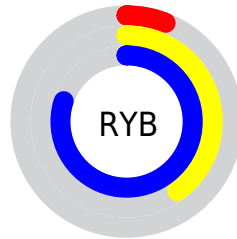
The Yxy color **36.3587, 0.2140, 0.2866** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.7103, 0.6108, 0.3440**, and the grayscale version is **23.1620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1298, 0.2346, 0.3036**, and **16.9016, 0.2095, 0.2740** is the 20% darker color. If you saturate the color by 10%, you get **35.3816, 0.2119, 0.2828**, and if you desaturate by 10%, it is **37.8046, 0.2180, 0.2916**.

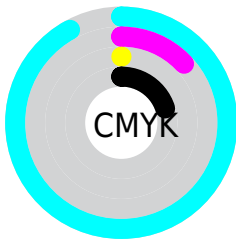
Distribution



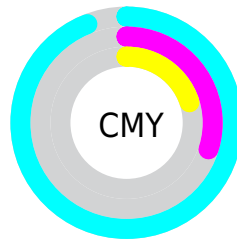
- Red (6%)
- Green (70%)
- Blue (80%)



- Red (6%)
- Yellow (40%)
- Blue (80%)



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




- Cyan (94%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3587, 0.2140, 0.2866 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 36.3587, 0.2140, 0.2866 by changing the saturation by 10% instead.

 36.3587, 0.2140,
0.2866

 36.3587, 0.2140,
0.2866


330.5256, 0.2631,
0.3100

 24.7114, 0.2020,
0.2801


 69.5854, 0.2317,
0.2956


 15.8621, 0.1869,
0.2715


 91.9334, 0.2384,
0.2988

 9.4266, 0.1673,
0.2594

 118.6172, 0.2441,
0.3015

 5.0205, 0.1413,
0.2417

 150.0211, 0.2490,
0.3038

 2.2593, 0.1061,
0.2142

 186.5295, 0.2532,
0.3057

 0.7520, 0.0097,
0.1756

228.5268, 0.2569,

 0.0000, 0.0000,

0.3073

0.0000

276.3974, 0.2602,
0.3088

■ 36.3587, 0.2140,
0.2866

■ 36.3587, 0.2140,
0.2866

■ 35.3816, 0.2119,
0.2828

■ 37.8046, 0.2180,
0.2916

■ 39.4850, 0.2238,
0.2967

■ 41.4329, 0.2316,
0.3017

■ 43.6747, 0.2412,
0.3067

■ 46.2334, 0.2525,
0.3115

■ 49.1296, 0.2652,
0.3161

■ 52.3818, 0.2791,
0.3204

■ 56.0076, 0.2938,
0.3244

■ 60.0228, 0.3090,
0.3282

Harmonies

Analogous

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



36.3587, 0.2340, 0.3387



36.3587, 0.2140, 0.2866



36.3587, 0.2174, 0.2529

Triad

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



36.3587, 0.2140, 0.2866



36.3587, 0.3454, 0.2749



36.3587, 0.3806, 0.4256

Complementary

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



36.3587, 0.2140, 0.2866



14.7103, 0.6108, 0.3440

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.



36.3587, 0.4159, 0.3970



36.3587, 0.2140, 0.2866



36.3587, 0.3962, 0.3124

Square

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



36.3587, 0.2140, 0.2866



36.3587, 0.2888, 0.2495



36.3587, 0.4226, 0.3557



36.3587, 0.3287, 0.4271

Rectangle

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



36.3587, 0.2140, 0.2866



36.3587, 0.2323, 0.2427



36.3587, 0.4226, 0.3557



36.3587, 0.3949, 0.4184

Sweetspot

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



36.3600, 0.2140, 0.2866



82.5601, 0.2708, 0.3179



43.9354, 0.2962, 0.5800



17.1904, 0.2648, 0.3159



0.0000, 0.0000, 0.0000



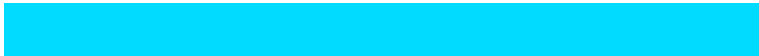
21.4041, 0.3127, 0.3290

Same Dimension

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



36.3600, 0.2140, 0.2866



57.7066, 0.2117, 0.2822



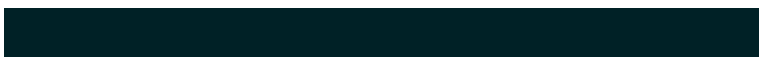
11.0108, 0.1711, 0.1301



12.4439, 0.2983, 0.3256



22.1287, 0.2121, 0.2836



1.2182, 0.2148, 0.2933

Inverse Universe

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



16.5527, 0.3571, 0.1770



26.3567, 0.3614, 0.1765



30.4941, 0.4924, 0.4415



11.3752, 0.3159, 0.3094



10.0369, 0.3602, 0.1758



0.5255, 0.3514, 0.1709

Previews

White Background



This preview shows how the Yxy color 36.3587, 0.2140, 0.2866 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 36.3587, 0.2140, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

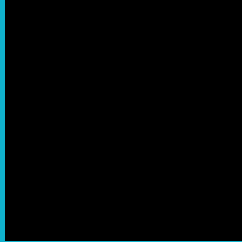
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3587, 0.2140, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 36.3587, 0.2140, 0.2866.

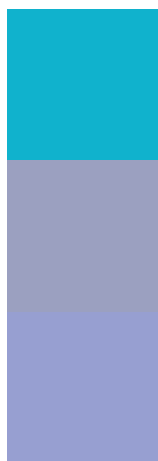


This preview shows how white text looks on a background with the Yxy color 36.3587, 0.2140, 0.2866.

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

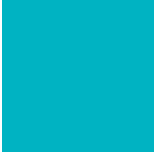
36.3587, 0.2140, 0.2866

Protanopia

35.9159, 0.2816, 0.2840

Deuteranopia

35.9790, 0.2658, 0.2608



Tritanopia

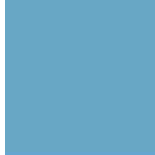
36.1352, 0.2179, 0.3046

Trichromacy



Original Color

36.3587, 0.2140, 0.2866



Protanomaly

34.6117, 0.2423, 0.2833



Deuteranomaly

34.6513, 0.2348, 0.2667



Tritanomaly

36.3561, 0.2167, 0.2985

Monochromacy



Original Color

36.3587, 0.2140, 0.2866



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.1718, 0.2523, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3587, 0.2140, 0.2866 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(16, 178, 205)` looks like.

```
.text, #text, p{  
    color:rgb(16, 178, 205)  
}
```

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(16, 178, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 178, 205) }
```

Border

The CSS property to change the border of an element to Yxy 36.3587, 0.2140, 0.2866 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(16, 178, 205) }
```

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

```
.border{ border-color:rgb(16, 178, 205) }
```

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

Here you see how a box with a 4 pixel rgb(16, 178, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 178, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 178, 205);  
box-shadow:4px 4px 4px 4px rgb(16, 178,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3587, 0.2140, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 178, 205) }
```

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

```
.background{ background-color: rgb(16, 178,  
205) }
```

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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