

Converting Colors

$Yxy(30.9436, 0.1612, 0.2736)$

Have a look what the booklet for
Yxy(30.9436, 0.1612, 0.2736)
contains.

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Color

Yxy(35.1649, 0.2108, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	01AFCF
RGB	1, 175, 207
RGB Percent	0%, 69%, 81%
CMY	0.9973, 0.3138, 0.1883
CMYK	1.00, 0.15, 0.00, 0.19
HSL	189°, 99%, 41%
HSV	189°, 100%, 81%
XYZ	26.5976, 35.1649, 64.4122
YIQ	126.6220, -113.9760, -26.9360

Conversions

Conversions Part 2

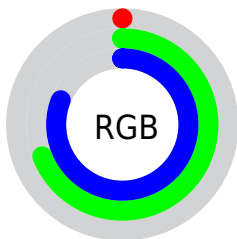
Format	Color
RYB	1, 95, 207
Decimal	110543
CIELab	65.88, -25.87, -26.73
CIELCh	66, 37.199, 225.928
Yxy	35.1649, 0.2108, 0.2787
Android (android.graphics.Color)	4278300623 (0xFF01AFCF)
YUV	126.6220, 39.6264, -110.1705
Hunter-Lab	59.3000, -23.7130, -22.8913

Details

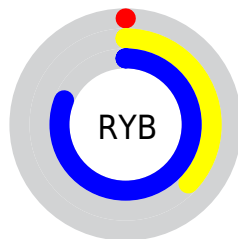
The Yxy color **35.1649, 0.2108, 0.2787** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **14.3365, 0.6253, 0.3413**, and the grayscale version is **20.9429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2554, 0.2328, 0.2998**, and **16.2190, 0.2066, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **35.1202, 0.2107, 0.2785**, and if you desaturate by 10%, it is **36.5901, 0.2139, 0.2842**.

Distribution



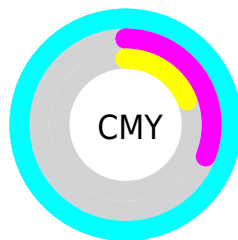
- Red (0%)
- Green (69%)
- Blue (81%)



- Red (0%)
- Yellow (37%)
- Blue (81%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1649, 0.2108, 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 35.1649, 0.2108, 0.2787 by changing the saturation by 10% instead.


 35.1649, 0.2108,
0.2787


 35.1649, 0.2108,
0.2787


325.2956, 0.2617,
0.3063


 23.7899, 0.1984,
0.2712


 67.7411, 0.2291,
0.2892

 15.1779, 0.1828,
0.2612


 89.7112, 0.2361,
0.2930


 8.9443, 0.1626,
0.2474

 115.9818, 0.2419,
0.2962

 4.7049, 0.1359,
0.2274

 146.9372, 0.2470,
0.2988

 2.0752, 0.1000,
0.1967

 182.9619, 0.2514,
0.3011

 0.6506, 0.0000,
0.1515

224.4403, 0.2552,

 0.0000, 0.0000,

0.3031

0.0000

271.7567, 0.2586,
0.3048

■ 35.1649, 0.2108,
0.2787

■ 35.1649, 0.2108,
0.2787

■ 35.1202, 0.2107,
0.2785

■ 36.5901, 0.2139,
0.2842

■ 38.2151, 0.2185,
0.2897

■ 40.0955, 0.2251,
0.2952

■ 42.2620, 0.2335,
0.3007

■ 44.7406, 0.2438,
0.3061

■ 47.5540, 0.2556,
0.3113

■ 50.7229, 0.2688,
0.3163

■ 54.2659, 0.2830,
0.3209

■ 58.2004, 0.2979,
0.3252

Harmonies

Analogous

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



35.1649, 0.2275, 0.3298



35.1649, 0.2108, 0.2787



35.1649, 0.2179, 0.2479

Triad

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



35.1649, 0.2108, 0.2787



35.1649, 0.3551, 0.2790



35.1649, 0.3746, 0.4304

Complementary

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



35.1649, 0.2108, 0.2787



14.3365, 0.6253, 0.3413

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.



35.1649, 0.4144, 0.4041



35.1649, 0.2108, 0.2787



35.1649, 0.4045, 0.3186

Square

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



35.1649, 0.2108, 0.2787



35.1649, 0.2967, 0.2508



35.1649, 0.4265, 0.3629



35.1649, 0.3202, 0.4267

Rectangle

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



35.1649, 0.2108, 0.2787



35.1649, 0.2354, 0.2398



35.1649, 0.4265, 0.3629



35.1649, 0.3902, 0.4242

Sweetspot

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



35.1661, 0.2108, 0.2787



80.9255, 0.2679, 0.3159



44.7292, 0.2967, 0.5879



16.8459, 0.2621, 0.3138



0.0000, 0.0000, 0.0000



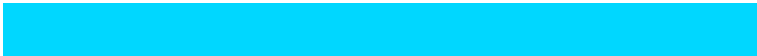
21.4041, 0.3127, 0.3290

Same Dimension

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



35.1661, 0.2108, 0.2787



56.0483, 0.2105, 0.2779



9.2604, 0.1644, 0.1116



13.0816, 0.2983, 0.3253



22.2422, 0.2109, 0.2793



1.3299, 0.2137, 0.2893

Inverse Universe

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



16.3742, 0.3647, 0.1784



26.1893, 0.3654, 0.1787



30.5344, 0.4981, 0.4425



11.9762, 0.3161, 0.3096



10.3166, 0.3641, 0.1780



0.5855, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 35.1649, 0.2108, 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 35.1649, 0.2108, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

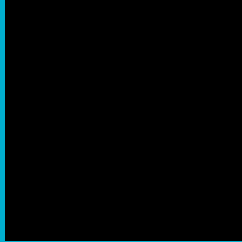
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1649, 0.2108, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 35.1649, 0.2108, 0.2787.

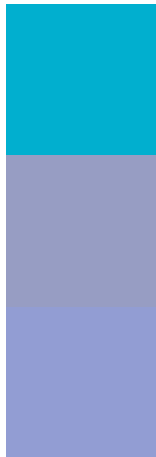


This preview shows how white text looks on a background with the Yxy color 35.1649, 0.2108, 0.2787.

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

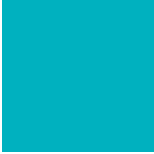
35.1714, 0.2108, 0.2787

Protanopia

34.6334, 0.2756, 0.2753

Deuteranopia

34.9281, 0.2602, 0.2548



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



Original Color

35.1714, 0.2108, 0.2787



Protanomaly

33.1612, 0.2357, 0.2752



Deuteranomaly

33.5312, 0.2284, 0.2602



Tritanomaly

35.0819, 0.2153, 0.2950

Monochromacy



Original Color

35.1714, 0.2108, 0.2787



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.0961, 0.2466, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1649, 0.2108, 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(1, 175, 207)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 207)  
}
```

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(1, 175, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 207) }
```

Border

The CSS property to change the border of an element to Yxy 35.1649, 0.2108, 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(1, 175, 207) }
```

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

```
.border{ border-color:rgb(1, 175, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 175, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 207);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1649, 0.2108, 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(1, 175, 207) }
```

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

```
.background{ background-color: rgb(1, 175,  
207) }
```

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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