

Converting Colors

$Y_{xy}(34.5073, 0.2045, 0.2816)$

Have a look what the booklet for
Yxy(34.5073, 0.2045, 0.2816)
contains.

Yxy(35.0677, 0.2115, 0.2815)	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>	29

Color

Yxy(35.0677, 0.2115, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	00AFCD
RGB	0, 175, 205
RGB Percent	0%, 69%, 80%
CMY	1.0000, 0.3137, 0.1959
CMYK	1.00, 0.15, 0.00, 0.20
HSL	189°, 100%, 40%
HSV	189°, 100%, 80%
XYZ	26.3475, 35.0677, 63.1592
YIQ	126.0950, -113.9300, -27.7700

Conversions

Conversions Part 2

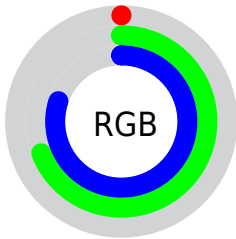
Format	Color
RYB	0, 94, 205
Decimal	45005
CIELab	65.80, -26.58, -25.76
CIELCh	66, 37.013, 224.106
Yxy	35.0677, 0.2115, 0.2815
Android (android.graphics.Color)	4278235085 (0xFF00AFCD)
YUV	126.0950, 38.9002, -110.5853
Hunter-Lab	59.2180, -24.2126, -21.7834

Details

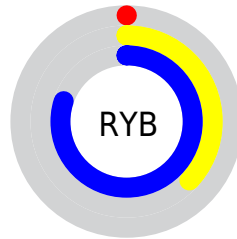
The Yxy color **35.0677, 0.2115, 0.2815** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **13.9141, 0.6272, 0.3402**, and the grayscale version is **20.7952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1966, 0.2325, 0.2998**, and **16.1534, 0.2076, 0.2673** is the 20% darker color. If you saturate the color by 10%, you get **35.0723, 0.2115, 0.2815**, and if you desaturate by 10%, it is **36.4083, 0.2145, 0.2866**.

Distribution



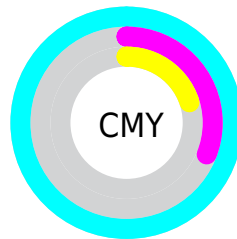
- Red (0%)
- Green (69%)
- Blue (80%)



- Red (0%)
- Yellow (37%)
- Blue (80%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0677, 0.2115, 0.2815 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 35.0677, 0.2115, 0.2815 by changing the saturation by 10% instead.


 35.0677, 0.2115,
0.2815

 35.0677, 0.2115,
0.2815


324.8671, 0.2621,
0.3077

 23.7150, 0.1991,
0.2743


 67.5906, 0.2297,
0.2915


 15.1224, 0.1835,
0.2647

 89.5297, 0.2366,
0.2952


 8.9053, 0.1633,
0.2513


 115.7663, 0.2425,
0.2982

 4.6795, 0.1366,
0.2319

 146.6849, 0.2475,
0.3007

 2.0605, 0.1005,
0.2018

 182.6699, 0.2519,
0.3028

 0.6422, 0.0000,
0.1566

224.1057, 0.2557,

 0.0000, 0.0000,

0.3047

0.0000

271.3766, 0.2591,
0.3063

■ 35.0677, 0.2115,
0.2815

■ 35.0677, 0.2115,
0.2815

■ 35.0723, 0.2115,
0.2815

■ 36.4083, 0.2145,
0.2866

■ 37.9340, 0.2190,
0.2918

■ 39.7053, 0.2253,
0.2970

■ 41.7524, 0.2336,
0.3022

■ 44.1007, 0.2437,
0.3073

■ 46.7725, 0.2554,
0.3122

■ 49.7880, 0.2685,
0.3168

■ 53.1654, 0.2826,
0.3212

■ 56.9218, 0.2974,
0.3253

Harmonies

Analogous

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



35.0677, 0.2296, 0.3333



35.0677, 0.2115, 0.2815



35.0677, 0.2172, 0.2494

Triad

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



35.0677, 0.2115, 0.2815



35.0677, 0.3514, 0.2771



35.0677, 0.3773, 0.4291

Complementary

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



35.0677, 0.2115, 0.2815



13.9141, 0.6272, 0.3402

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.



35.0677, 0.4156, 0.4016



35.0677, 0.2115, 0.2815



35.0677, 0.4018, 0.3160

Square

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



35.0677, 0.2115, 0.2815



35.0677, 0.2934, 0.2499



35.0677, 0.4257, 0.3602



35.0677, 0.3236, 0.4275

Rectangle

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



35.0677, 0.2115, 0.2815



35.0677, 0.2337, 0.2404



35.0677, 0.4257, 0.3602



35.0677, 0.3925, 0.4224

Sweetspot

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



35.0723, 0.2115, 0.2815



81.3231, 0.2680, 0.3167



43.7602, 0.2973, 0.5902



16.9421, 0.2623, 0.3147



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.



35.0723, 0.2115, 0.2815



57.1839, 0.2114, 0.2809



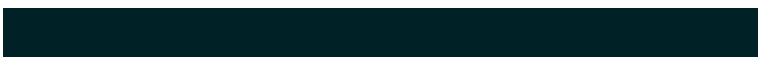
9.4660, 0.1654, 0.1156



12.4361, 0.2983, 0.3255



21.9343, 0.2117, 0.2823



1.2098, 0.2145, 0.2923

Inverse Universe

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



16.0796, 0.3621, 0.1768



26.3039, 0.3627, 0.1771



28.9110, 0.5031, 0.4387



11.3744, 0.3160, 0.3094



10.0173, 0.3614, 0.1764



0.5247, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 35.0677, 0.2115, 0.2815 looks on a white background.

Color Contrast Check

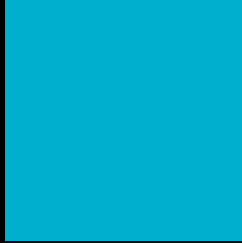
Large Text (above 18pt) WCAG AA × Fail

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 35.0677, 0.2115, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

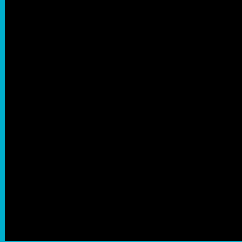
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0677, 0.2115, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 35.0677, 0.2115, 0.2815.

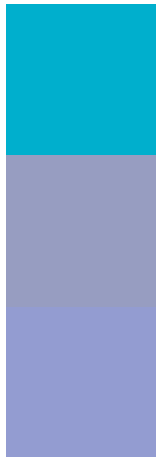


This preview shows how white text looks on a background with the Yxy color 35.0677, 0.2115, 0.2815.

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

35.0677, 0.2115, 0.2815

Protanopia

34.5435, 0.2771, 0.2779

Deuteranopia

34.5834, 0.2622, 0.2559

Trichromacy



Original Color

35.0677, 0.2115, 0.2815

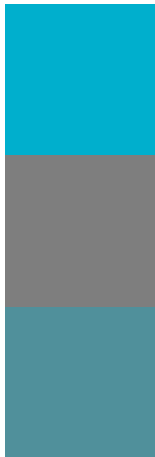
Protanomaly

33.0689, 0.2368, 0.2780

Deuteranomaly

33.1281, 0.2296, 0.2613

Monochromacy



Original Color

35.0677, 0.2115, 0.2815

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

24.0185, 0.2466, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0677, 0.2115, 0.2815 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(0, 175, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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(0, 175, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 205) }
```

Border

The CSS property to change the border of an element to Yxy 35.0677, 0.2115, 0.2815 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(0, 175, 205) }
```

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

```
.border{ border-color:rgb(0, 175, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
205) }
```

Background

The CSS property to change the background color of an element to Yxy 35.0677, 0.2115, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 205) }
```

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

```
.background{ background-color: rgb(0, 175,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor