

Converting Colors

$Yxy(36.3384, 0.2117, 0.2820)$

Have a look what the booklet for
Yxy(36.3384, 0.2117, 0.2820)
contains.

Yxy(36.3949, 0.2117, 0.2822)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.3949, 0.2117, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	00B2D0
RGB	0, 178, 208
RGB Percent	0%, 70%, 82%
CMY	1.0000, 0.3019, 0.1842
CMYK	1.00, 0.14, 0.00, 0.18
HSL	189°, 100%, 41%
HSV	189°, 100%, 82%
XYZ	27.3026, 36.3949, 65.2709
YIQ	128.1980, -115.7180, -28.4060

Conversions

Conversions Part 2

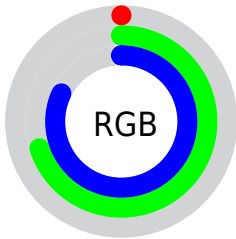
Format	Color
R _{YB}	0, 96, 208
Decimal	45776
CIE _{Lab}	66.82, -27.08, -25.84
CIE _{LCh}	67, 37.430, 223.662
Y _{xy}	36.3949, 0.2117, 0.2822
Android (android.graphics.Color)	4278235856 (0xFF00B2D0)
YUV	128.1980, 39.3424, -112.4296
Hunter-Lab	60.3282, -24.7909, -21.9180

Details

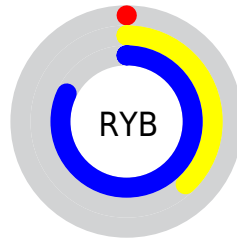
The Yxy color **36.3949, 0.2117, 0.2822** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.3414, 0.6276, 0.3399**, and the grayscale version is **21.5521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9492, 0.2336, 0.3036**, and **17.0003, 0.2079, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **36.3990, 0.2117, 0.2822**, and if you desaturate by 10%, it is **37.7637, 0.2146, 0.2872**.

Distribution



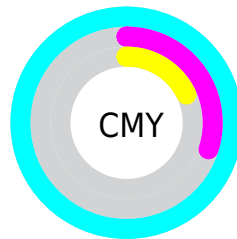
- Red (0%)
- Green (70%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3949, 0.2117, 0.2822 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 36.3949, 0.2117, 0.2822 by changing the saturation by 10% instead.


 36.3949, 0.2117,
0.2822


 36.3949, 0.2117,
0.2822

330.6833, 0.2619,
0.3079


 24.7393, 0.1995,
0.2752


 69.6412, 0.2297,
0.2920


 15.8830, 0.1842,
0.2658


 92.0006, 0.2366,
0.2956

 9.4414, 0.1644,
0.2529


 118.6969, 0.2424,
0.2985

 5.0302, 0.1383,
0.2342

 150.1143, 0.2474,
0.3010

 2.2650, 0.1032,
0.2054

 186.6372, 0.2517,
0.3031

 0.7551, 0.0124,
0.1648

228.6501, 0.2555,

 0.0000, 0.0000,

0.3049

0.0000

276.5373, 0.2589,
0.3065

■ 36.3949, 0.2117,
0.2822

■ 36.3949, 0.2117,
0.2822

■ 36.3990, 0.2117,
0.2822

■ 37.7637, 0.2146,
0.2872

■ 39.3241, 0.2191,
0.2923

■ 41.1376, 0.2254,
0.2975

■ 43.2355, 0.2337,
0.3026

■ 45.6441, 0.2437,
0.3076

■ 48.3867, 0.2554,
0.3124

■ 51.4840, 0.2685,
0.3170

■ 54.9551, 0.2826,
0.3213

■ 58.8175, 0.2974,
0.3253

Harmonies

Analogous

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



36.3949, 0.2301, 0.3342



36.3949, 0.2117, 0.2822



36.3949, 0.2170, 0.2498

Triad

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



36.3949, 0.2117, 0.2822



36.3949, 0.3505, 0.2766



36.3949, 0.3780, 0.4288

Complementary

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



36.3949, 0.2117, 0.2822



14.3414, 0.6276, 0.3399

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.



36.3949, 0.4159, 0.4010



36.3949, 0.2117, 0.2822



36.3949, 0.4011, 0.3154

Square

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



36.3949, 0.2117, 0.2822



36.3949, 0.2927, 0.2497



36.3949, 0.4255, 0.3595



36.3949, 0.3245, 0.4277

Rectangle

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



36.3949, 0.2117, 0.2822



36.3949, 0.2333, 0.2406



36.3949, 0.4255, 0.3595



36.3949, 0.3931, 0.4220

Sweetspot

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



36.3990, 0.2117, 0.2822



81.4239, 0.2680, 0.3168



45.2028, 0.2973, 0.5903



16.9665, 0.2623, 0.3149



0.0000, 0.0000, 0.0000



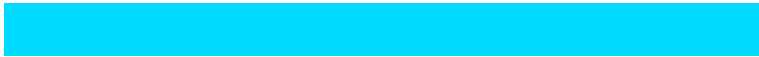
21.4041, 0.3127, 0.3290

Same Dimension

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



36.3990, 0.2117, 0.2822



57.4734, 0.2116, 0.2816



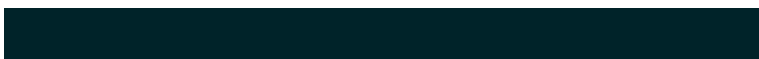
9.7615, 0.1654, 0.1154



13.1042, 0.2983, 0.3256



22.7911, 0.2119, 0.2829



1.3557, 0.2145, 0.2922

Inverse Universe

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



16.6271, 0.3614, 0.1765



26.3331, 0.3620, 0.1768



29.8457, 0.5032, 0.4387



11.9785, 0.3159, 0.3093



10.3720, 0.3608, 0.1761



0.5882, 0.3524, 0.1715

Previews

White Background



This preview shows how the Yxy color 36.3949, 0.2117, 0.2822 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 36.3949, 0.2117, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

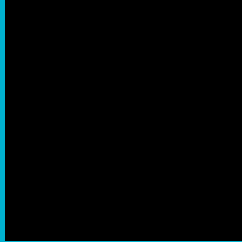
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3949, 0.2117, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 36.3949, 0.2117, 0.2822.

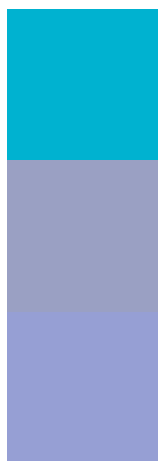


This preview shows how white text looks on a background with the Yxy color 36.3949, 0.2117, 0.2822.

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

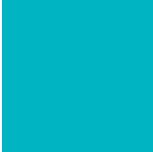
36.3949, 0.2117, 0.2822

Protanopia

35.9518, 0.2784, 0.2800

Deuteranopia

36.0338, 0.2629, 0.2570



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



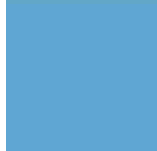
Original Color

36.3949, 0.2117, 0.2822



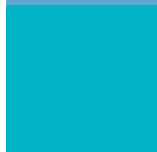
Protanomaly

34.4042, 0.2372, 0.2787



Deuteranomaly

34.4085, 0.2295, 0.2623



Tritanomaly

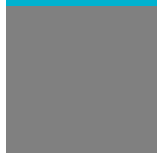
36.3637, 0.2158, 0.2970

Monochromacy



Original Color

36.3949, 0.2117, 0.2822



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.7414, 0.2466, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3949, 0.2117, 0.2822 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, 178, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 208)  
}
```

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, 178, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 208) }
```

Border

The CSS property to change the border of an element to Yxy 36.3949, 0.2117, 0.2822 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, 178, 208) }
```

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

```
.border{ border-color:rgb(0, 178, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3949, 0.2117, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 208) }
```

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

```
.background{ background-color: rgb(0, 178,  
208) }
```

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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