

Converting Colors

$Y_{xy}(36.7270, 0.2010, 0.2435)$

Have a look what the booklet for
Yxy(36.7270, 0.2010, 0.2435)
contains.

Yxy(36.6581, 0.2008, 0.2427)	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(36.6581, 0.2008, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	01AFEB
RGB	1, 175, 235
RGB Percent	0%, 69%, 92%
CMY	0.9968, 0.3138, 0.0785
CMYK	1.00, 0.26, 0.00, 0.08
HSL	195°, 99%, 46%
HSV	195°, 100%, 92%
XYZ	30.3294, 36.6581, 84.0553
YIQ	129.8140, -122.9640, -18.2280

Conversions

Conversions Part 2

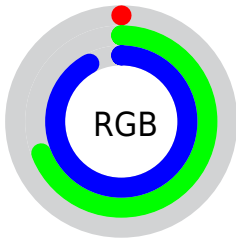
Format	Color
R _Y B	1, 101, 235
Decimal	110571
CIE Lab	67.02, -16.17, -40.33
CIE LCh	67, 43.453, 248.154
Yxy	36.6581, 0.2008, 0.2427
Android (android.graphics.Color)	4278300651 (0xFF01AFEB)
YUV	129.8140, 51.8567, -112.9699
Hunter-Lab	60.5459, -16.5390, -39.9296

Details

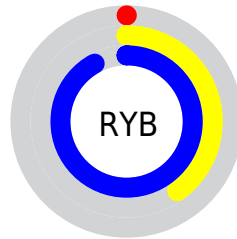
The Yxy color **36.6581, 0.2008, 0.2427** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **20.9754, 0.6080, 0.3551**, and the grayscale version is **22.0769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5600, 0.2345, 0.3000**, and **17.4206, 0.1955, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **36.5732, 0.2007, 0.2424**, and if you desaturate by 10%, it is **39.2475, 0.2050, 0.2522**.

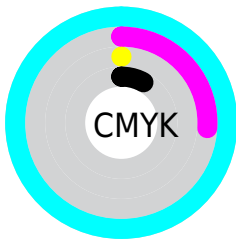
Distribution



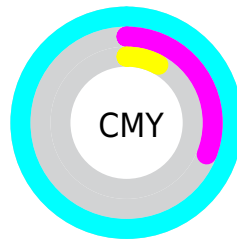
- Red (0%)
- Green (69%)
- Blue (92%)



- Red (0%)
- Yellow (40%)
- Blue (92%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (31%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6581, 0.2008, 0.2427 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 36.6581, 0.2008, 0.2427 by changing the saturation by 10% instead.


 36.6581, 0.2008,
0.2427


 36.6581, 0.2008,
0.2427


331.8279, 0.2555,
0.2871


 24.9429, 0.1879,
0.2316


 70.0466, 0.2202,
0.2589


 16.0345, 0.1720,
0.2175


 92.4887, 0.2276,
0.2650


 9.5486, 0.1519,
0.1991


 119.2752, 0.2340,
0.2701

 5.1007, 0.1262,
0.1746

 150.7906, 0.2395,
0.2745

 2.3065, 0.0933,
0.1410

 187.4191, 0.2443,
0.2783

 0.7771, 0.0425,
0.0960

229.5452, 0.2485,

 0.0000, 0.0000,

0.2816

0.0000

277.5534, 0.2522,
0.2845

■ 36.6581, 0.2008,
0.2427

■ 36.6581, 0.2008,
0.2427

■ 36.5732, 0.2007,
0.2424

■ 39.2475, 0.2050,
0.2522

■ 42.1744, 0.2109,
0.2618

■ 45.5101, 0.2189,
0.2715

■ 49.2979, 0.2288,
0.2810

■ 53.5743, 0.2404,
0.2904

■ 58.3716, 0.2534,
0.2993

■ 63.7188, 0.2676,
0.3077

■ 69.6423, 0.2825,
0.3155

■ 76.1668, 0.2978,
0.3227

Harmonies

Analogous

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



36.6581, 0.1994, 0.2835



36.6581, 0.2008, 0.2427



36.6581, 0.2276, 0.2275

Triad

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



36.6581, 0.2008, 0.2427



36.6581, 0.4061, 0.3039



36.6581, 0.3369, 0.4479

Complementary

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



36.6581, 0.2008, 0.2427



20.9754, 0.6080, 0.3551

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.



36.6581, 0.3966, 0.4396



36.6581, 0.2008, 0.2427



36.6581, 0.4410, 0.3529

Square

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



36.6581, 0.2008, 0.2427



36.6581, 0.3436, 0.2624



36.6581, 0.4361, 0.4018



36.6581, 0.2739, 0.4126

Rectangle

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



36.6581, 0.2008, 0.2427



36.6581, 0.2588, 0.2303



36.6581, 0.4361, 0.4018



36.6581, 0.3580, 0.4497

Sweetspot

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



36.6593, 0.2008, 0.2427



76.3925, 0.2669, 0.3073



59.7275, 0.2924, 0.5724



15.7528, 0.2608, 0.3038



0.0000, 0.0000, 0.0000



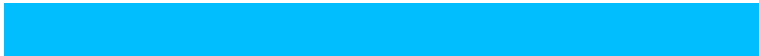
21.4041, 0.3127, 0.3290

Same Dimension

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



36.6593, 0.2008, 0.2427



43.9085, 0.2006, 0.2420



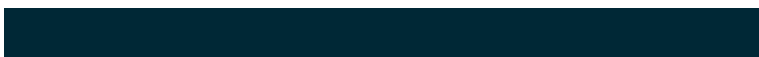
9.1663, 0.1576, 0.0871



16.4307, 0.2981, 0.3228



20.5751, 0.2011, 0.2439



1.7685, 0.2048, 0.2571

Inverse Universe

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



20.7706, 0.3995, 0.1976



24.9637, 0.4003, 0.1979



48.8813, 0.4723, 0.4630



15.2440, 0.3177, 0.3116



11.5699, 0.3983, 0.1968



0.9239, 0.3852, 0.1896

Previews

White Background



This preview shows how the Yxy color 36.6581, 0.2008, 0.2427 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 36.6581, 0.2008, 0.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

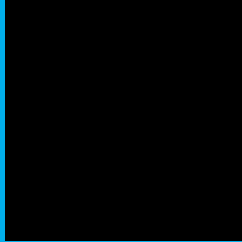
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

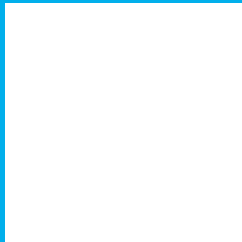
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6581, 0.2008, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 36.6581, 0.2008, 0.2427.

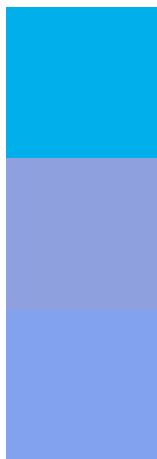


This preview shows how white text looks on a background with the Yxy color 36.6581, 0.2008, 0.2427.

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

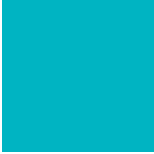
36.6646, 0.2008, 0.2427

Protanopia

36.3090, 0.2508, 0.2447

Deuteranopia

36.4086, 0.2340, 0.2279



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



Original Color

36.6646, 0.2008, 0.2427



Protanomaly

34.6805, 0.2197, 0.2408



Deuteranomaly

35.2259, 0.2125, 0.2304



Tritanomaly

36.4442, 0.2113, 0.2808

Monochromacy



Original Color

36.6646, 0.2008, 0.2427



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.2239, 0.2405, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6581, 0.2008, 0.2427 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 235) }
```

Border

The CSS property to change the border of an element to Yxy 36.6581, 0.2008, 0.2427 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, 235) }
```

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

```
.border{ border-color:rgb(1, 175, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6581, 0.2008, 0.2427 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, 235) }
```

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

```
.background{ background-color: rgb(1, 175,  
235) }
```

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