

Converting Colors

$Y_{xy}(36.3529, 0.1668, 0.2707)$

Have a look what the booklet for
Yxy(36.3529, 0.1668, 0.2707)
contains.

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Color

Yxy(40.8684, 0.2100, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	00BBDF
RGB	0, 187, 223
RGB Percent	0%, 73%, 87%
CMY	1.0000, 0.2666, 0.1255
CMYK	1.00, 0.16, 0.00, 0.13
HSL	190°, 100%, 44%
HSV	190°, 100%, 87%
XYZ	31.0843, 40.8684, 76.0676
YIQ	135.1910, -123.0080, -28.4480

Conversions

Conversions Part 2

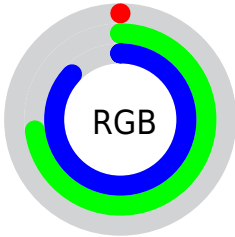
Format	Color
RYB	0, 102, 223
Decimal	48095
CIELab	70.08, -26.56, -29.04
CIELCh	70, 39.360, 227.553
Yxy	40.8684, 0.2100, 0.2761
Android (android.graphics.Color)	4278238175 (0xFF00BDF)
YUV	135.1910, 43.2898, -118.5625
Hunter-Lab	63.9284, -25.0817, -25.7986

Details

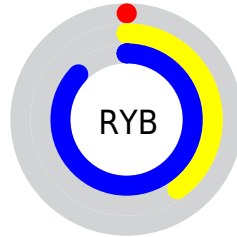
The Yxy color **40.8684, 0.2100, 0.2761** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.9510, 0.6257, 0.3414**, and the grayscale version is **24.1766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4470, 0.2374, 0.3146**, and **19.6022, 0.2059, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **40.8738, 0.2100, 0.2761**, and if you desaturate by 10%, it is **42.5945, 0.2131, 0.2818**.

Distribution



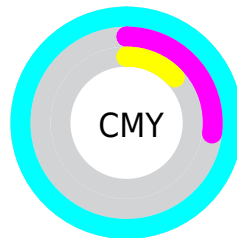
- Red (0%)
- Green (73%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8684, 0.2100, 0.2761 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 40.8684, 0.2100, 0.2761 by changing the saturation by 10% instead.


 40.8684, 0.2100,
0.2761


 40.8684, 0.2100,
0.2761


349.7703, 0.2599,
0.3043


 28.2163, 0.1982,
0.2687


 76.4841, 0.2277,
0.2867


 18.4888, 0.1836,
0.2590


 100.2164, 0.2345,
0.2905


 11.3015, 0.1649,
0.2460


 128.4110, 0.2402,
0.2938

 6.2700, 0.1407,
0.2278

 161.4521, 0.2453,
0.2965

 3.0099, 0.1089,
0.2009

 199.7242, 0.2496,
0.2989

 1.1369, 0.0584,
0.1609

243.6116, 0.2535,

 0.0093, 0.0000,

0.3009

0.0037

293.4989, 0.2569,
0.3027

■ 0.0000, 0.0000,
0.0000

■ 40.8684, 0.2100,
0.2761

■ 40.8684, 0.2100,
0.2761

■ 40.8738, 0.2100,
0.2761

■ 42.5945, 0.2131,
0.2818

■ 44.5547, 0.2177,
0.2876

■ 46.8198, 0.2242,
0.2934

■ 49.4271, 0.2327,
0.2992

■ 52.4081, 0.2430,
0.3049

■ 55.7903, 0.2549,
0.3103

■ 59.5986, 0.2681,
0.3155

■ 63.8556, 0.2824,
0.3204

■ 68.5821, 0.2973,
0.3249

Harmonies

Analogous

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



40.8684, 0.2254, 0.3266



40.8684, 0.2100, 0.2761



40.8684, 0.2184, 0.2463

Triad

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



40.8684, 0.2100, 0.2761



40.8684, 0.3585, 0.2806



40.8684, 0.3722, 0.4317

Complementary

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



40.8684, 0.2100, 0.2761



16.9510, 0.6257, 0.3414

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.



40.8684, 0.4134, 0.4065



40.8684, 0.2100, 0.2761



40.8684, 0.4071, 0.3208

Square

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



40.8684, 0.2100, 0.2761



40.8684, 0.2997, 0.2515



40.8684, 0.4275, 0.3655



40.8684, 0.3171, 0.4261

Rectangle

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



40.8684, 0.2100, 0.2761



40.8684, 0.2368, 0.2390



40.8684, 0.4275, 0.3655



40.8684, 0.3882, 0.4260

Sweetspot

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



40.8738, 0.2100, 0.2761



80.6371, 0.2678, 0.3154



52.8925, 0.2969, 0.5887



16.7762, 0.2621, 0.3132



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.



40.8738, 0.2100, 0.2761



55.2316, 0.2099, 0.2757



10.7845, 0.1640, 0.1102



15.1758, 0.2982, 0.3251



24.1711, 0.2103, 0.2770



1.7775, 0.2127, 0.2858

Inverse Universe

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



19.2778, 0.3671, 0.1796



26.1068, 0.3675, 0.1798



35.9267, 0.4989, 0.4420



13.8956, 0.3162, 0.3096



11.3481, 0.3663, 0.1791



0.7969, 0.3581, 0.1747

Previews

White Background



This preview shows how the Yxy color 40.8684, 0.2100, 0.2761 looks on a white background.

Color Contrast Check

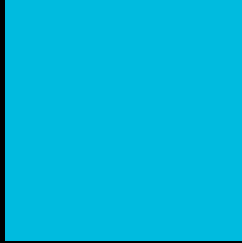
Large Text (above 18pt) WCAG AA × Fail

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 40.8684, 0.2100, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

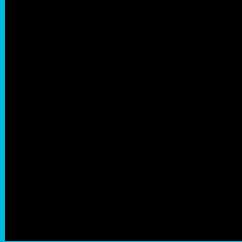
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8684, 0.2100, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 40.8684, 0.2100, 0.2761.



This preview shows how white text looks on a background with the Yxy color 40.8684, 0.2100, 0.2761.

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

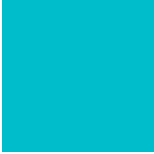
40.8684, 0.2100, 0.2761

Protanopia

40.2355, 0.2740, 0.2734

Deuteranopia

40.5199, 0.2583, 0.2529



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.8684, 0.2100, 0.2761



Protanomaly

38.3910, 0.2339, 0.2715



Deuteranomaly

38.8036, 0.2270, 0.2576



Tritanomaly

40.6696, 0.2150, 0.2940

Monochromacy



Original Color

40.8684, 0.2100, 0.2761



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.8797, 0.2458, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8684, 0.2100, 0.2761 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, 187, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 223)  
}
```

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, 187, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 223) }
```

Border

The CSS property to change the border of an element to Yxy 40.8684, 0.2100, 0.2761 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, 187, 223) }
```

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

```
.border{ border-color:rgb(0, 187, 223) }
```

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

Here you see how a box with a 4 pixel rgb(0, 187, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8684, 0.2100, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 223) }
```

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

```
.background{ background-color: rgb(0, 187,  
223) }
```

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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