

Converting Colors

$Yxy(33.7784, 0.1377, 0.2550)$

Have a look what the booklet for
Yxy(33.7784, 0.1377, 0.2550)
contains.

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Color

Yxy(40.8310, 0.2071, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	00BAE6
RGB	0, 186, 230
RGB Percent	0%, 73%, 90%
CMY	1.0000, 0.2706, 0.0981
CMYK	1.00, 0.19, 0.00, 0.10
HSL	191°, 100%, 45%
HSV	191°, 100%, 90%
XYZ	31.8377, 40.8310, 81.0624
YIQ	135.4020, -124.9800, -25.7480

Conversions

Conversions Part 2

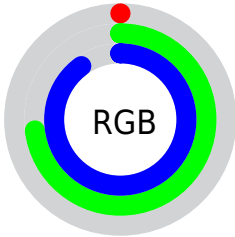
Format	Color
R _{YB}	0, 103, 230
Decimal	47846
CIE Lab	70.06, -23.69, -32.89
CIE LCh	70, 40.535, 234.236
Yxy	40.8310, 0.2071, 0.2656
Android (android.graphics.Color)	4278237926 (0xFF00BAE6)
YUV	135.4020, 46.6368, -118.7476
Hunter-Lab	63.8991, -22.8859, -30.4859

Details

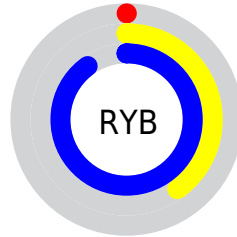
The Yxy color **40.8310, 0.2071, 0.2656** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.6228, 0.6212, 0.3450**, and the grayscale version is **24.2456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9124, 0.2374, 0.3134**, and **19.8311, 0.2032, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **40.8345, 0.2071, 0.2656**, and if you desaturate by 10%, it is **42.8988, 0.2105, 0.2725**.

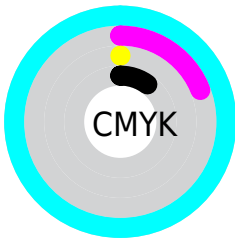
Distribution



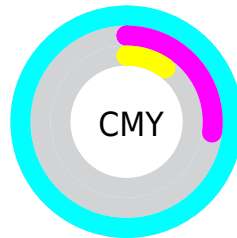
- Red (0%)
- Green (73%)
- Blue (90%)



- Red (0%)
- Yellow (40%)
- Blue (90%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8310, 0.2071, 0.2656 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 40.8310, 0.2071, 0.2656 by changing the saturation by 10% instead.


 40.8310, 0.2071,
0.2656


 40.8310, 0.2071,
0.2656


 349.6138, 0.2582,
0.2988

 28.1871, 0.1951,
0.2571


 76.4273, 0.2251,
0.2779


 18.4667, 0.1803,
0.2461


 100.1484, 0.2321,
0.2824


 11.2856, 0.1615,
0.2315


 128.3307, 0.2380,
0.2863

 6.2593, 0.1373,
0.2115

 161.3586, 0.2432,
0.2895

 3.0034, 0.1058,
0.1828

 199.6165, 0.2477,
0.2923

 1.1335, 0.0598,
0.1412

243.4887, 0.2516,

 0.0063, 0.0000,

0.2948

0.0021

293.3597, 0.2551,
0.2969

■ 0.0000, 0.0000,
0.0000

■ 40.8310, 0.2071,
0.2656

■ 40.8310, 0.2071,
0.2656

■ 40.8345, 0.2071,
0.2656

■ 42.8988, 0.2105,
0.2725

■ 45.2373, 0.2155,
0.2795

■ 47.9194, 0.2224,
0.2865

■ 50.9858, 0.2313,
0.2934

■ 54.4707, 0.2420,
0.3002

■ 58.4039, 0.2542,
0.3068

■ 62.8124, 0.2678,
0.3130

■ 67.7208, 0.2822,
0.3188

■ 73.1519, 0.2973,
0.3241

Harmonies

Analogous

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



40.8310, 0.2174, 0.3133



40.8310, 0.2071, 0.2656



40.8310, 0.2211, 0.2404

Triad

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



40.8310, 0.2071, 0.2656



40.8310, 0.3726, 0.2877



40.8310, 0.3618, 0.4368

Complementary

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



40.8310, 0.2071, 0.2656



18.6228, 0.6212, 0.3450

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.



40.8310, 0.4088, 0.4162



40.8310, 0.2071, 0.2656



40.8310, 0.4177, 0.3305

Square

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



40.8310, 0.2071, 0.2656



40.8310, 0.3125, 0.2548



40.8310, 0.4306, 0.3762



40.8310, 0.3041, 0.4227

Rectangle

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



40.8310, 0.2071, 0.2656



40.8310, 0.2432, 0.2363



40.8310, 0.4306, 0.3762



40.8310, 0.3794, 0.4332

Sweetspot

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



40.8345, 0.2071, 0.2656



79.2820, 0.2675, 0.3129



56.7599, 0.2957, 0.5844



16.4488, 0.2617, 0.3103



0.0000, 0.0000, 0.0000



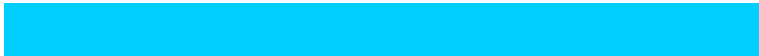
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8345, 0.2071, 0.2656



51.4737, 0.2070, 0.2652



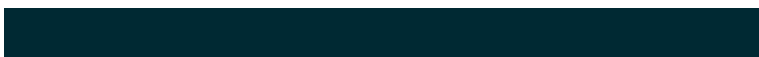
10.4560, 0.1615, 0.1014



15.8432, 0.2981, 0.3244



23.2907, 0.2074, 0.2667



1.8420, 0.2102, 0.2768

Inverse Universe

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



20.3679, 0.3770, 0.1850



25.7274, 0.3774, 0.1853



40.9919, 0.4900, 0.4492



14.5655, 0.3167, 0.3102



11.5489, 0.3760, 0.1845



0.8656, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 40.8310, 0.2071, 0.2656 looks on a white background.

Color Contrast Check

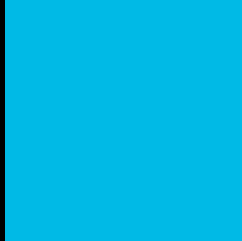
Large Text (above 18pt) WCAG AA × Fail

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 40.8310, 0.2071, 0.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

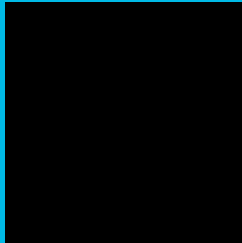
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8310, 0.2071, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 40.8310, 0.2071, 0.2656.



This preview shows how white text looks on a background with the Yxy color 40.8310, 0.2071, 0.2656.

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

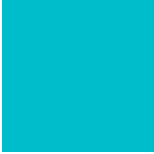
40.8310, 0.2071, 0.2656

Protanopia

40.2841, 0.2670, 0.2647

Deuteranopia

40.4298, 0.2506, 0.2445



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.8310, 0.2071, 0.2656



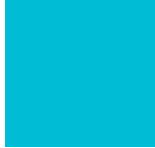
Protanomaly

38.7006, 0.2299, 0.2626



Deuteranomaly

38.9760, 0.2221, 0.2490



Tritanomaly

40.7705, 0.2142, 0.2912

Monochromacy



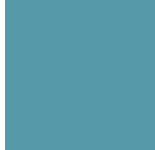
Original Color

40.8310, 0.2071, 0.2656



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.9919, 0.2439, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8310, 0.2071, 0.2656 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, 186, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 230)  
}
```

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, 186, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.8310, 0.2071, 0.2656 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, 186, 230) }
```

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

```
.border{ border-color:rgb(0, 186, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8310, 0.2071, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 230) }
```

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

```
.background{ background-color: rgb(0, 186,  
230) }
```

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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