

Converting Colors

$Yxy(41.2735, 0.2037, 0.2534)$

Have a look what the booklet for
Yxy(41.2735, 0.2037, 0.2534)
contains.

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Color

Yxy(41.4091, 0.2037, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	00BAF0
RGB	0, 186, 240
RGB Percent	0%, 73%, 94%
CMY	1.0000, 0.2705, 0.0589
CMYK	1.00, 0.22, 0.00, 0.06
HSL	193°, 100%, 47%
HSV	193°, 100%, 94%
XYZ	33.2743, 41.4091, 88.6661
YIQ	136.5420, -128.1900, -22.6380

Conversions

Conversions Part 2

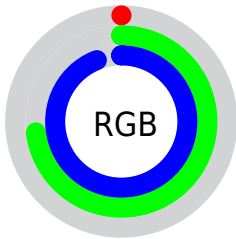
Format	Color
RYB	0, 105, 240
Decimal	47856
CIELab	70.46, -20.29, -37.69
CIELCh	70, 42.806, 241.711
Yxy	41.4091, 0.2037, 0.2535
Android (android.graphics.Color)	4278237936 (0xFF00BAF0)
YUV	136.5420, 51.0048, -119.7473
Hunter-Lab	64.3499, -20.3129, -36.6493

Details

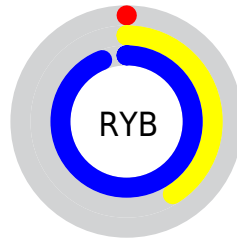
The Yxy color **41.4091, 0.2037, 0.2535** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.1580, 0.6154, 0.3496**, and the grayscale version is **24.6800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0393, 0.2381, 0.3135**, and **20.2357, 0.1990, 0.2363** is the 20% darker color. If you saturate the color by 10%, you get **41.4178, 0.2038, 0.2535**, and if you desaturate by 10%, it is **43.9293, 0.2075, 0.2618**.

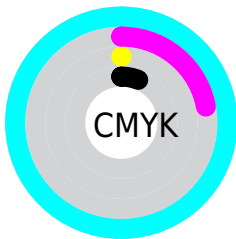
Distribution



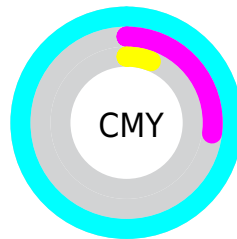
- Red (0%)
- Green (73%)
- Blue (94%)



- Red (0%)
- Yellow (41%)
- Blue (94%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (27%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4091, 0.2037, 0.2535 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 41.4091, 0.2037, 0.2535 by changing the saturation by 10% instead.

41.4091, 0.2037,
0.2535

41.4091, 0.2037,
0.2535

352.0275, 0.2561,
0.2922

28.6389, 0.1916,
0.2439

77.3045, 0.2221,
0.2676

18.8078, 0.1766,
0.2316

101.1985, 0.2292,
0.2729

11.5315, 0.1578,
0.2156

129.5693, 0.2353,
0.2774

6.4255, 0.1339,
0.1941

162.8011, 0.2406,
0.2812

3.1055, 0.1032,
0.1644

201.2785, 0.2452,
0.2845

1.1871, 0.0627,
0.1228

245.3857, 0.2493,

0.0511, 0.0000,

0.2874

0.0128

295.5073, 0.2529,
0.2900

■ 0.0000, 0.0000,
0.0000

■ 41.4091, 0.2037,
0.2535

■ 41.4091, 0.2037,
0.2535

■ 41.4178, 0.2038,
0.2535

■ 43.9293, 0.2075,
0.2618

■ 46.7675, 0.2129,
0.2701

■ 50.0086, 0.2203,
0.2785

■ 53.6980, 0.2297,
0.2868

■ 57.8740, 0.2409,
0.2949

■ 62.5702, 0.2535,
0.3027

■ 67.8169, 0.2673,
0.3101

■ 73.6417, 0.2820,
0.3169

■ 80.0701, 0.2973,
0.3232

Harmonies

Analogous

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



41.4091, 0.2079, 0.2978



41.4091, 0.2037, 0.2535



41.4091, 0.2243, 0.2336

Triad

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



41.4091, 0.2037, 0.2535



41.4091, 0.3898, 0.2960



41.4091, 0.3491, 0.4428

Complementary

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



41.4091, 0.2037, 0.2535



21.1580, 0.6154, 0.3496

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.



41.4091, 0.4028, 0.4282



41.4091, 0.2037, 0.2535



41.4091, 0.4300, 0.3420

Square

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



41.4091, 0.2037, 0.2535



41.4091, 0.3283, 0.2587



41.4091, 0.4338, 0.3893



41.4091, 0.2885, 0.4180

Rectangle

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



41.4091, 0.2037, 0.2535



41.4091, 0.2510, 0.2331



41.4091, 0.4338, 0.3893



41.4091, 0.3686, 0.4418

Sweetspot

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



41.4178, 0.2038, 0.2535



77.7757, 0.2672, 0.3100



62.5604, 0.2943, 0.5793



16.0856, 0.2612, 0.3069



0.0000, 0.0000, 0.0000



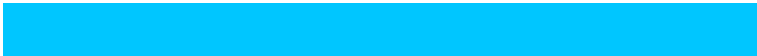
21.4041, 0.3127, 0.3290

Same Dimension

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



41.4178, 0.2038, 0.2535



47.4528, 0.2037, 0.2533



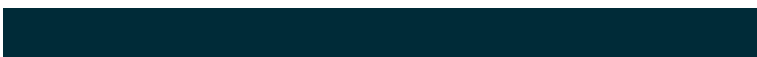
10.4243, 0.1593, 0.0933



17.2908, 0.2981, 0.3236



22.8838, 0.2041, 0.2549



2.0497, 0.2072, 0.2657

Inverse Universe

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



22.0691, 0.3888, 0.1915



25.3215, 0.3890, 0.1917



48.0245, 0.4813, 0.4561



15.9670, 0.3172, 0.3109



12.1035, 0.3874, 0.1908



1.0216, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 41.4091, 0.2037, 0.2535 looks on a white background.

Color Contrast Check

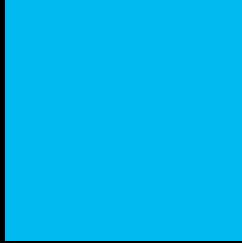
Large Text (above 18pt) WCAG AA × Fail

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 41.4091, 0.2037, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

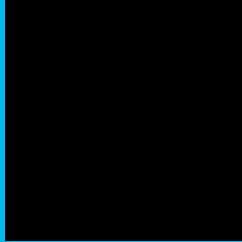
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4091, 0.2037, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 41.4091, 0.2037, 0.2535.



This preview shows how white text looks on a background with the Yxy color 41.4091, 0.2037, 0.2535.

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

41.4091, 0.2037, 0.2535

Protanopia

40.8905, 0.2585, 0.2542

Deuteranopia

41.2104, 0.2415, 0.2358



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



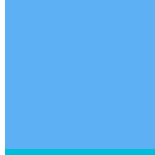
Original Color

41.4091, 0.2037, 0.2535



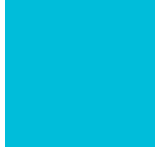
Protanomaly

39.1388, 0.2243, 0.2505



Deuteranomaly

39.7970, 0.2169, 0.2390



Tritanomaly

41.4571, 0.2128, 0.2859

Monochromacy



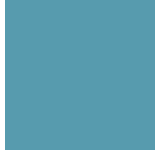
Original Color

41.4091, 0.2037, 0.2535



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.5249, 0.2423, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4091, 0.2037, 0.2535 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 240) }
```

Border

The CSS property to change the border of an element to Yxy 41.4091, 0.2037, 0.2535 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, 240) }
```

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

```
.border{ border-color:rgb(0, 186, 240) }
```

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, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4091, 0.2037, 0.2535 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, 240) }
```

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

```
.background{ background-color: rgb(0, 186,  
240) }
```

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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