

Converting Colors

$Y_{xy}(40.2082, 0.1923, 0.2447)$

Have a look what the booklet for
Yxy(40.2082, 0.1923, 0.2447)
contains.

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Color

Yxy(41.2905, 0.2017, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	00B9F5
RGB	0, 185, 245
RGB Percent	0%, 73%, 96%
CMY	1.0000, 0.2745, 0.0391
CMYK	1.00, 0.24, 0.00, 0.04
HSL	195°, 100%, 48%
HSV	195°, 100%, 96%
XYZ	33.8274, 41.2905, 92.5934
YIQ	136.5250, -129.5200, -20.5600

Conversions

Conversions Part 2

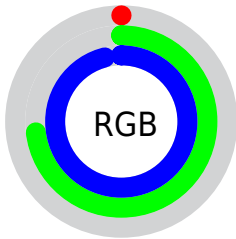
Format	Color
RYB	0, 105, 245
Decimal	47605
CIELab	70.38, -17.99, -40.55
CIELCh	70, 44.364, 246.079
Yxy	41.2905, 0.2017, 0.2462
Android (android.graphics.Color)	4278237685 (0xFF00B9F5)
YUV	136.5250, 53.4782, -119.7324
Hunter-Lab	64.2577, -18.4827, -40.4547

Details

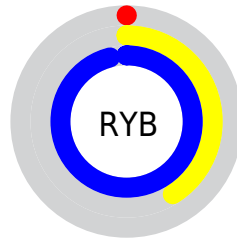
The Yxy color **41.2905, 0.2017, 0.2462** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.6508, 0.6115, 0.3526**, and the grayscale version is **24.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5101, 0.2381, 0.3123**, and **20.1334, 0.1969, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **41.2957, 0.2017, 0.2462**, and if you desaturate by 10%, it is **44.0607, 0.2057, 0.2553**.

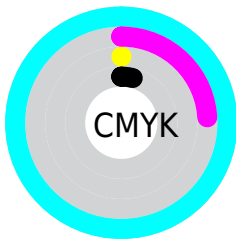
Distribution



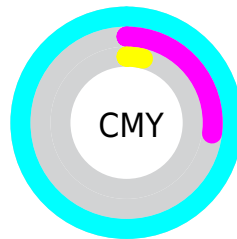
- Red (0%)
- Green (73%)
- Blue (96%)



- Red (0%)
- Yellow (41%)
- Blue (96%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (27%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2905, 0.2017, 0.2462 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 41.2905, 0.2017, 0.2462 by changing the saturation by 10% instead.

41.2905, 0.2017,
0.2462

41.2905, 0.2017,
0.2462

351.5333, 0.2549,
0.2882

28.5461, 0.1894,
0.2359

77.1247, 0.2203,
0.2614

18.7378, 0.1743,
0.2229

100.9833, 0.2276,
0.2671

11.4809, 0.1555,
0.2060

129.3155, 0.2338,
0.2720

6.3913, 0.1316,
0.1837

162.5056, 0.2391,
0.2762

3.0844, 0.1011,
0.1534

200.9380, 0.2438,
0.2798

1.1760, 0.0622,
0.1120

244.9972, 0.2480,

0.0420, 0.0000,

0.2830

0.0094

295.0675, 0.2517,
0.2857

■ 0.0000, 0.0000,
0.0000

■ 41.2905, 0.2017,
0.2462

■ 41.2905, 0.2017,
0.2462

■ 41.2957, 0.2017,
0.2462

■ 44.0607, 0.2057,
0.2553

■ 47.1853, 0.2114,
0.2644

■ 50.7490, 0.2191,
0.2737

■ 54.8001, 0.2288,
0.2828

■ 59.3791, 0.2402,
0.2917

■ 64.5217, 0.2531,
0.3002

■ 70.2601, 0.2671,
0.3083

■ 76.6235, 0.2819,
0.3158

■ 83.6390, 0.2972,
0.3227

Harmonies

Analogous

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



41.2905, 0.2022, 0.2882



41.2905, 0.2017, 0.2462



41.2905, 0.2264, 0.2295

Triad

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



41.2905, 0.2017, 0.2462



41.2905, 0.4007, 0.3013



41.2905, 0.3410, 0.4463

Complementary

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



41.2905, 0.2017, 0.2462



22.6508, 0.6115, 0.3526

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.



41.2905, 0.3988, 0.4358



41.2905, 0.2017, 0.2462



41.2905, 0.4375, 0.3493

Square

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



41.2905, 0.2017, 0.2462



41.2905, 0.3385, 0.2612



41.2905, 0.4355, 0.3977



41.2905, 0.2788, 0.4145

Rectangle

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



41.2905, 0.2017, 0.2462



41.2905, 0.2561, 0.2312



41.2905, 0.4355, 0.3977



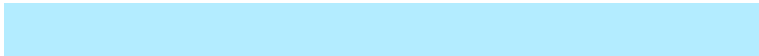
41.2905, 0.3616, 0.4471

Sweetspot

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



41.2957, 0.2017, 0.2462



76.8860, 0.2670, 0.3083



65.6179, 0.2935, 0.5765



15.8715, 0.2610, 0.3049



0.0000, 0.0000, 0.0000



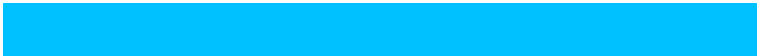
21.4041, 0.3127, 0.3290

Same Dimension

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



41.2957, 0.2017, 0.2462



45.1566, 0.2017, 0.2460



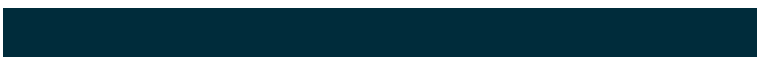
10.4140, 0.1582, 0.0896



18.0299, 0.2980, 0.3231



22.4700, 0.2021, 0.2477



2.1347, 0.2053, 0.2591

Inverse Universe

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



22.9204, 0.3960, 0.1955



25.0897, 0.3962, 0.1956



51.9331, 0.4770, 0.4594



16.6948, 0.3176, 0.3113



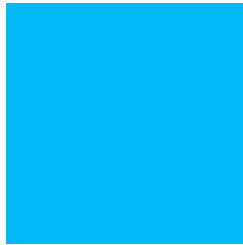
12.3677, 0.3945, 0.1947



1.1031, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 41.2905, 0.2017, 0.2462 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 41.2905, 0.2017, 0.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

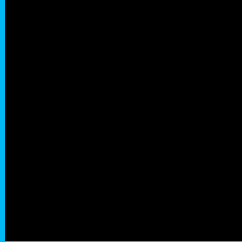
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2905, 0.2017, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 41.2905, 0.2017, 0.2462.

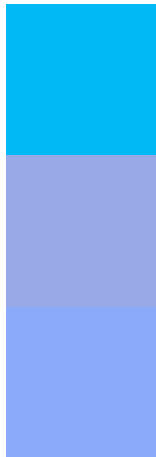


This preview shows how white text looks on a background with the Yxy color 41.2905, 0.2017, 0.2462.

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

41.2905, 0.2017, 0.2462

Protanopia

40.8775, 0.2533, 0.2483

Deuteranopia

41.0780, 0.2359, 0.2301



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



Original Color

41.2905, 0.2017, 0.2462



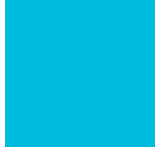
Protanomaly

39.3158, 0.2212, 0.2447



Deuteranomaly

39.5120, 0.2131, 0.2320



Tritanomaly

41.1337, 0.2116, 0.2816

Monochromacy



Original Color

41.2905, 0.2017, 0.2462



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.2720, 0.2407, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2905, 0.2017, 0.2462 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, 185, 245)` looks like.

```
.text, #text, p{  
  color:rgb(0, 185, 245)  
}
```

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, 185, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 245) }
```

Border

The CSS property to change the border of an element to Yxy 41.2905, 0.2017, 0.2462 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, 185, 245) }
```

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

```
.border{ border-color:rgb(0, 185, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2905, 0.2017, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 245) }
```

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

```
.background{ background-color: rgb(0, 185,  
245) }
```

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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