

Converting Colors

$Y_{xy}(41.8811, 0.2034, 0.2520)$

Have a look what the booklet for
Yxy(41.8811, 0.2034, 0.2520)
contains.

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Color

Yxy(41.9579, 0.2036, 0.2526)

Conversions

Conversions Part 1

Format	Color
Hex	02BBF2
RGB	2, 187, 242
RGB Percent	1%, 73%, 95%
CMY	0.9925, 0.2667, 0.0509
CMYK	0.99, 0.23, 0.00, 0.05
HSL	194°, 98%, 48%
HSV	194°, 99%, 95%
XYZ	33.8188, 41.9579, 90.3274
YIQ	137.9550, -127.9150, -22.1150

Conversions

Conversions Part 2

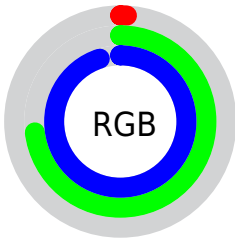
Format	Color
R _Y B	2, 106, 242
Decimal	179186
CIE Lab	70.84, -20.01, -38.20
CIE LCh	71, 43.123, 242.347
Yxy	41.9579, 0.2036, 0.2526
Android (android.graphics.Color)	4278369266 (0xFF02BBF2)
YUV	137.9550, 51.2942, -119.2325
Hunter-Lab	64.7749, -20.1618, -37.3364

Details

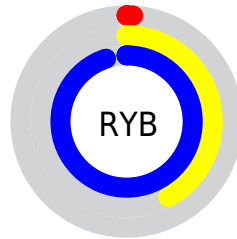
The Yxy color **41.9579, 0.2036, 0.2526** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.8036, 0.6129, 0.3508**, and the grayscale version is **25.2230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7007, 0.2387, 0.3147**, and **20.5954, 0.1987, 0.2354** is the 20% darker color. If you saturate the color by 10%, you get **41.7606, 0.2033, 0.2519**, and if you desaturate by 10%, it is **44.5669, 0.2075, 0.2610**.

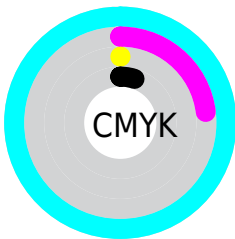
Distribution



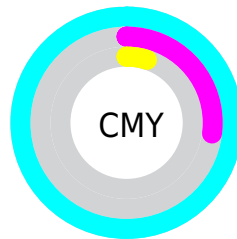
- Red (1%)
- Green (73%)
- Blue (95%)



- Red (1%)
- Yellow (42%)
- Blue (95%)



- Cyan (99%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (99%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9579, 0.2036, 0.2526 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 41.9579, 0.2036, 0.2526 by changing the saturation by 10% instead.

41.9579, 0.2036,
0.2526

41.9579, 0.2036,
0.2526

354.3084, 0.2559,
0.2916

29.0683, 0.1915,
0.2429

78.1359, 0.2219,
0.2668

19.1325, 0.1766,
0.2306

102.1931, 0.2290,
0.2721

11.7661, 0.1580,
0.2147

130.7417, 0.2351,
0.2767

6.5846, 0.1343,
0.1933

164.1660, 0.2404,
0.2805

3.2037, 0.1039,
0.1638

202.8504, 0.2450,
0.2839

1.2390, 0.0646,
0.1227

247.1793, 0.2491,

0.0932, 0.0000,

0.2868

0.0220

297.5372, 0.2527,
0.2894

■ 0.0000, 0.0000,
0.0000

■ 41.9579, 0.2036,
0.2526

■ 41.9579, 0.2036,
0.2526

■ 41.7606, 0.2033,
0.2519

■ 44.5669, 0.2075,
0.2610

■ 47.5226, 0.2131,
0.2696

■ 50.8964, 0.2207,
0.2781

■ 54.7342, 0.2303,
0.2866

■ 59.0745, 0.2416,
0.2949

■ 63.9516, 0.2545,
0.3028

■ 69.3960, 0.2684,
0.3103

■ 75.4359, 0.2832,
0.3172

■ 82.0971, 0.2985,
0.3236

Harmonies

Analogous

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



41.9579, 0.2073, 0.2965



41.9579, 0.2036, 0.2526



41.9579, 0.2247, 0.2331

Triad

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



41.9579, 0.2036, 0.2526



41.9579, 0.3912, 0.2969



41.9579, 0.3479, 0.4431

Complementary

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



41.9579, 0.2036, 0.2526



21.8036, 0.6129, 0.3508

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.



41.9579, 0.4021, 0.4291



41.9579, 0.2036, 0.2526



41.9579, 0.4308, 0.3431

Square

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



41.9579, 0.2036, 0.2526



41.9579, 0.3297, 0.2592



41.9579, 0.4339, 0.3904



41.9579, 0.2872, 0.4173

Rectangle

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



41.9579, 0.2036, 0.2526



41.9579, 0.2518, 0.2330



41.9579, 0.4339, 0.3904



41.9579, 0.3675, 0.4423

Sweetspot

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



41.9593, 0.2036, 0.2526



77.5842, 0.2672, 0.3096



63.7882, 0.2941, 0.5782



16.0395, 0.2612, 0.3065



0.0000, 0.0000, 0.0000



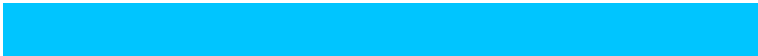
21.4041, 0.3127, 0.3290

Same Dimension

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



41.9593, 0.2036, 0.2526



46.9536, 0.2033, 0.2517



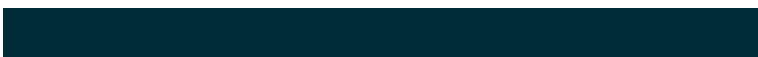
10.7972, 0.1598, 0.0946



17.2788, 0.2981, 0.3235



22.6487, 0.2037, 0.2533



2.0320, 0.2068, 0.2645

Inverse Universe

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



22.5080, 0.3896, 0.1923



25.2711, 0.3905, 0.1925



49.1491, 0.4805, 0.4562



15.9658, 0.3173, 0.3110



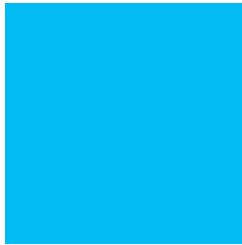
12.0797, 0.3889, 0.1916



1.0198, 0.3781, 0.1857

Previews

White Background



This preview shows how the Yxy color 41.9579, 0.2036, 0.2526 looks on a white background.

Color Contrast Check

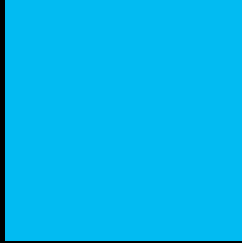
Large Text (above 18pt) WCAG AA × Fail

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 41.9579, 0.2036, 0.2526 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 41.9579, 0.2036, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 41.9579, 0.2036, 0.2526.



This preview shows how white text looks on a background with the Yxy color 41.9579, 0.2036, 0.2526.

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

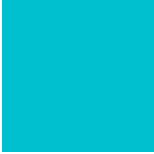
41.9644, 0.2036, 0.2526

Protanopia

41.4745, 0.2581, 0.2535

Deuteranopia

41.7089, 0.2407, 0.2351



Tritanopia

41.7178, 0.2183, 0.3059

Trichromacy



Original Color

41.9644, 0.2036, 0.2526



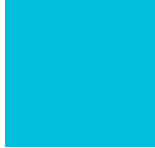
Protanomaly

39.7005, 0.2242, 0.2498



Deuteranomaly

40.3122, 0.2165, 0.2383



Tritanomaly

41.9478, 0.2129, 0.2861

Monochromacy



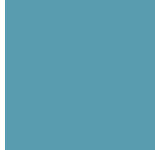
Original Color

41.9644, 0.2036, 0.2526



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.0354, 0.2426, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9579, 0.2036, 0.2526 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(2, 187, 242)` looks like.

```
.text, #text, p{  
    color:rgb(2, 187, 242)  
}
```

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(2, 187, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 187, 242) }
```

Border

The CSS property to change the border of an element to Yxy 41.9579, 0.2036, 0.2526 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(2, 187, 242) }
```

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

```
.border{ border-color:rgb(2, 187, 242) }
```

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

Here you see how a box with a 4 pixel rgb(2, 187, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 187, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 187, 242);  
box-shadow:4px 4px 4px 4px rgb(2, 187,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9579, 0.2036, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 187, 242) }
```

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

```
.background{ background-color: rgb(2, 187,  
242) }
```

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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