

Converting Colors

$Y_{xy}(41.1389, 0.2033, 0.2380)$

Have a look what the booklet for
Yxy(41.1389, 0.2033, 0.2380)
contains.

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Color

Yxy(41.3046, 0.2035, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	2CB7FA
RGB	44, 183, 250
RGB Percent	17%, 72%, 98%
CMY	0.8277, 0.2823, 0.0195
CMYK	0.82, 0.27, 0.00, 0.02
HSL	200°, 95%, 58%
HSV	200°, 82%, 98%
XYZ	35.2284, 41.3046, 96.5794
YIQ	149.0770, -104.3510, -8.6310

Conversions

Conversions Part 2

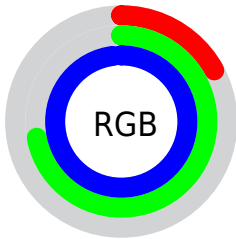
Format	Color
RYP	44, 127, 250
Decimal	2930682
CIELab	70.39, -13.21, -43.22
CIElCh	70, 45.190, 253.009
Yxy	41.3046, 0.2035, 0.2386
Android (android.graphics.Color)	4281120762 (0xFF2CB7FA)
YUV	149.0770, 49.7550, -92.1525
Hunter-Lab	64.2687, -14.6268, -44.1097

Details

The Yxy color **41.3046, 0.2035, 0.2386** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **31.8729, 0.5453, 0.3814**, and the grayscale version is **29.9034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2381, 0.2423, 0.3101**, and **19.8155, 0.1940, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **37.6513, 0.1972, 0.2262**, and if you desaturate by 10%, it is **45.4872, 0.2119, 0.2512**.

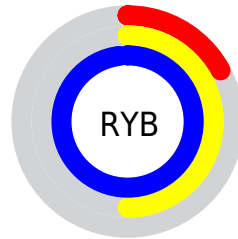
Distribution



Red (17%)

Green (72%)

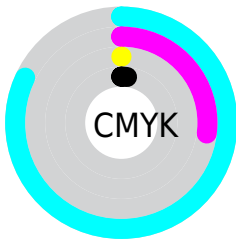
Blue (98%)



Red (17%)

Yellow (50%)

Blue (98%)

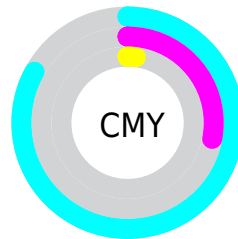


Cyan (82%)

Magenta (27%)

Yellow (0%)

Black (2%)



Cyan (83%)

Magenta (28%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3046, 0.2035, 0.2386 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 41.3046, 0.2035, 0.2386 by changing the saturation by 10% instead.

41.3046, 0.2035,
0.2386

41.3046, 0.2035,
0.2386

351.5921, 0.2559,
0.2838

28.5572, 0.1914,
0.2277

77.1461, 0.2219,
0.2548

18.7461, 0.1766,
0.2141

101.0089, 0.2290,
0.2610

11.4869, 0.1581,
0.1966

129.3457, 0.2351,
0.2662

6.3954, 0.1346,
0.1738

162.5407, 0.2403,
0.2707

3.0869, 0.1047,
0.1434

200.9785, 0.2450,
0.2746

1.1773, 0.0673,
0.1028

245.0434, 0.2490,

0.0430, 0.0000,

0.2780

0.0086

295.1198, 0.2527,
0.2811

■ 0.0000, 0.0000,
0.0000

■ 41.3046, 0.2035,
0.2386

■ 41.3046, 0.2035,
0.2386

■ 37.6513, 0.1972,
0.2262

■ 45.4872, 0.2119,
0.2512

■ 35.1717, 0.1936,
0.2169

■ 50.2502, 0.2223,
0.2637

■ 55.6410, 0.2344,
0.2760

■ 61.7000, 0.2480,
0.2877

■ 68.4636, 0.2626,
0.2988

■ 75.9647, 0.2779,
0.3091

■ 84.2341, 0.2934,
0.3185

■ 93.3004, 0.3090,
0.3271

■ 99.6838, 0.3156,
0.3337

Harmonies

Analogous

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



41.3046, 0.1979, 0.2752



41.3046, 0.2035, 0.2386



41.3046, 0.2343, 0.2273

Triad

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



41.3046, 0.2035, 0.2386



41.3046, 0.4141, 0.3116



41.3046, 0.3265, 0.4451

Complementary

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



41.3046, 0.2035, 0.2386



31.8729, 0.5453, 0.3814

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.



41.3046, 0.3878, 0.4434



41.3046, 0.2035, 0.2386



41.3046, 0.4429, 0.3610

Square

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



41.3046, 0.2035, 0.2386



41.3046, 0.3546, 0.2684



41.3046, 0.4316, 0.4091



41.3046, 0.2646, 0.4031

Rectangle

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



41.3046, 0.2035, 0.2386



41.3046, 0.2678, 0.2325



41.3046, 0.4316, 0.4091



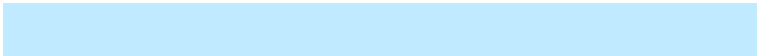
41.3046, 0.3479, 0.4494

Sweetspot

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



41.3060, 0.2035, 0.2386



77.3262, 0.2739, 0.3065



70.0306, 0.2834, 0.5223



15.9567, 0.2685, 0.3029



0.0000, 0.0000, 0.0000



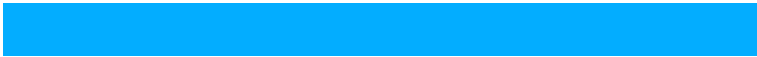
21.4041, 0.3127, 0.3290

Same Dimension

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



41.3060, 0.2035, 0.2386



37.0832, 0.1940, 0.2180



13.4317, 0.1681, 0.1060



18.6012, 0.2980, 0.3211



18.9248, 0.1942, 0.2189



1.9455, 0.1982, 0.2336

Inverse Universe

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



25.5453, 0.4020, 0.2101



24.3284, 0.4253, 0.2120



67.7200, 0.4430, 0.4725



17.4229, 0.3188, 0.3131



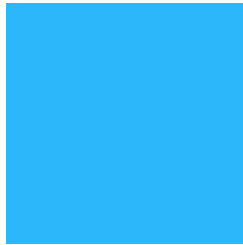
12.3214, 0.4244, 0.2112



1.1606, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 41.3046, 0.2035, 0.2386 looks on a white background.

Color Contrast Check

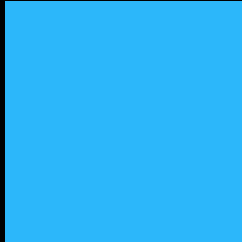
Large Text (above 18pt) WCAG AA × Fail

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 41.3046, 0.2035, 0.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

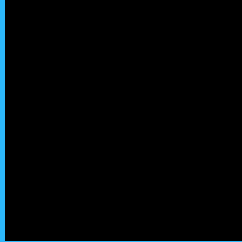
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

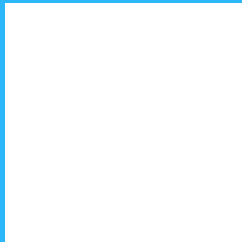
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3046, 0.2035, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 41.3046, 0.2035, 0.2386.



This preview shows how white text looks on a background with the Yxy color 41.3046, 0.2035, 0.2386.

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

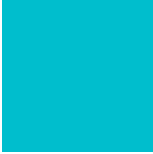
41.3046, 0.2035, 0.2386

Protanopia

40.5679, 0.2476, 0.2402

Deuteranopia

40.9922, 0.2317, 0.2256



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



Original Color

41.3046, 0.2035, 0.2386

Protanomaly

39.6775, 0.2249, 0.2377

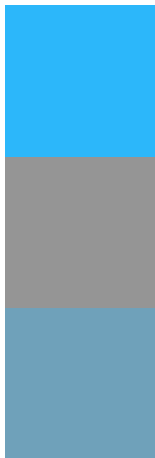
Deuteranomaly

40.5130, 0.2171, 0.2292

Tritanomaly

40.8713, 0.2117, 0.2789

Monochromacy



Original Color

41.3046, 0.2035, 0.2386

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.4144, 0.2519, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3046, 0.2035, 0.2386 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(44, 183, 250)` looks like.

```
.text, #text, p{  
    color:rgb(44, 183, 250)  
}
```

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(44, 183, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 183, 250) }
```

Border

The CSS property to change the border of an element to Yxy 41.3046, 0.2035, 0.2386 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(44, 183, 250) }
```

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

```
.border{ border-color:rgb(44, 183, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 183, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 183, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 183, 250);  
box-shadow:4px 4px 4px 4px rgb(44, 183,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3046, 0.2035, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 183, 250) }
```

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

```
.background{ background-color: rgb(44, 183,  
250) }
```

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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