

Converting Colors

$Y_{xy}(36.3666, 0.1313, 0.2406)$

Have a look what the booklet for
Yxy(36.3666, 0.1313, 0.2406)
contains.

Yxy(44.4766, 0.2036, 0.2530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.4766, 0.2036, 0.2530)

Conversions

Conversions Part 1

Format	Color
Hex	00C0F8
RGB	0, 192, 248
RGB Percent	0%, 75%, 97%
CMY	1.0000, 0.2470, 0.0273
CMYK	1.00, 0.23, 0.00, 0.03
HSL	194°, 100%, 49%
HSV	194°, 100%, 97%
XYZ	35.7922, 44.4766, 95.5280
YIQ	140.9760, -132.4080, -23.2880

Conversions

Conversions Part 2

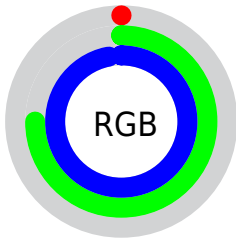
Format	Color
RYB	0, 108, 248
Decimal	49400
CIELab	72.55, -20.60, -38.80
CIELCh	73, 43.927, 242.037
Yxy	44.4766, 0.2036, 0.2530
Android (android.graphics.Color)	4278239480 (0xFF00C0F8)
YUV	140.9760, 52.7628, -123.6360
Hunter-Lab	66.6908, -20.9098, -38.2436

Details

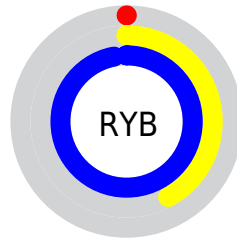
The Yxy color **44.4766, 0.2036, 0.2530** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.7924, 0.6155, 0.3495**, and the grayscale version is **26.4570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7995, 0.2403, 0.3206**, and **21.9385, 0.1989, 0.2359** is the 20% darker color. If you saturate the color by 10%, you get **44.4805, 0.2036, 0.2530**, and if you desaturate by 10%, it is **47.1922, 0.2073, 0.2613**.

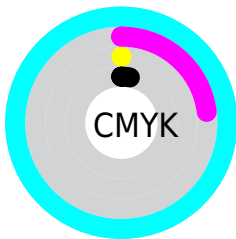
Distribution



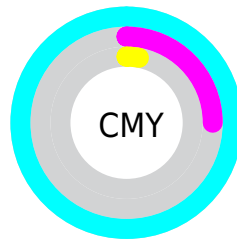
- Red (0%)
- Green (75%)
- Blue (97%)



- Red (0%)
- Yellow (42%)
- Blue (97%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (25%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4766, 0.2036, 0.2530 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 44.4766, 0.2036, 0.2530 by changing the saturation by 10% instead.

 44.4766, 0.2036,
0.2530

 44.4766, 0.2036,
0.2530


 364.6496, 0.2554,
0.2915


 31.0454, 0.1918,
0.2436


 81.9344, 0.2216,
0.2669


 20.6334, 0.1773,
0.2316


 106.7298, 0.2287,
0.2722


 12.8563, 0.1592,
0.2162


 136.0820, 0.2347,
0.2766

 7.3297, 0.1363,
0.1957

 170.3755, 0.2399,
0.2804

 3.6691, 0.1071,
0.1677

 209.9946, 0.2445,
0.2838

 1.4902, 0.0705,
0.1286

255.3237, 0.2486,

 0.2818, 0.0000,

0.2867

0.0552

306.7473, 0.2522,
0.2892

■ 0.0000, 0.0000,
0.0000

■ 44.4766, 0.2036,
0.2530

■ 44.4766, 0.2036,
0.2530

■ 44.4805, 0.2036,
0.2530

■ 47.1922, 0.2073,
0.2613

■ 50.2582, 0.2128,
0.2697

■ 53.7600, 0.2202,
0.2781

■ 57.7469, 0.2296,
0.2865

■ 62.2606, 0.2407,
0.2947

■ 67.3374, 0.2534,
0.3025

■ 73.0103, 0.2673,
0.3099

■ 79.3091, 0.2820,
0.3168

■ 86.2615, 0.2972,
0.3232

Harmonies

Analogous

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



44.4766, 0.2075, 0.2971



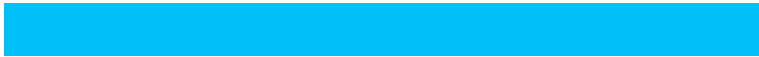
44.4766, 0.2036, 0.2530



44.4766, 0.2245, 0.2333

Triad

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



44.4766, 0.2036, 0.2530



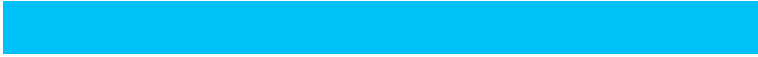
44.4766, 0.3906, 0.2964



44.4766, 0.3485, 0.4430

Complementary

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



44.4766, 0.2036, 0.2530



22.7924, 0.6155, 0.3495

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.



44.4766, 0.4025, 0.4287



44.4766, 0.2036, 0.2530



44.4766, 0.4305, 0.3426

Square

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



44.4766, 0.2036, 0.2530



44.4766, 0.3290, 0.2589



44.4766, 0.4339, 0.3899



44.4766, 0.2878, 0.4177

Rectangle

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



44.4766, 0.2036, 0.2530



44.4766, 0.2514, 0.2330



44.4766, 0.4339, 0.3899



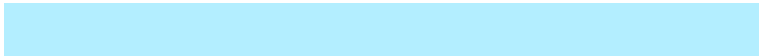
44.4766, 0.3681, 0.4421

Sweetspot

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



44.4805, 0.2036, 0.2530



77.7306, 0.2672, 0.3099



67.4165, 0.2943, 0.5796



16.0748, 0.2612, 0.3068



0.0000, 0.0000, 0.0000



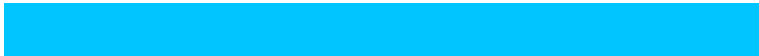
21.4041, 0.3127, 0.3290

Same Dimension

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



44.4805, 0.2036, 0.2530



47.3350, 0.2036, 0.2529



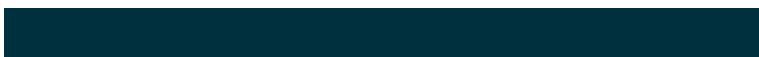
11.1939, 0.1592, 0.0930



18.9045, 0.2980, 0.3235



24.2426, 0.2040, 0.2543



2.4023, 0.2068, 0.2643

Inverse Universe

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



23.7677, 0.3893, 0.1918



25.3096, 0.3894, 0.1919



51.7048, 0.4814, 0.4559



17.4535, 0.3173, 0.3108



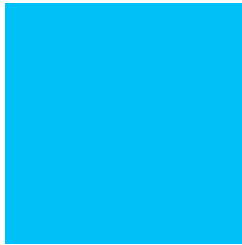
12.8582, 0.3879, 0.1911



1.2067, 0.3783, 0.1857

Previews

White Background



This preview shows how the Yxy color 44.4766, 0.2036, 0.2530 looks on a white background.

Color Contrast Check

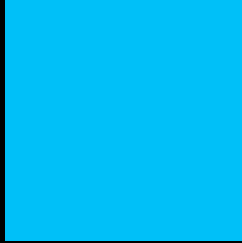
Large Text (above 18pt) WCAG AA × Fail

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 44.4766, 0.2036, 0.2530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

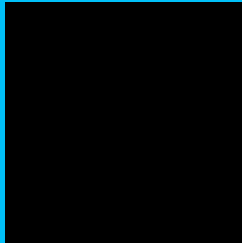
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4766, 0.2036, 0.2530

Background



This preview shows how black text looks on a background with the Yxy color 44.4766, 0.2036, 0.2530.

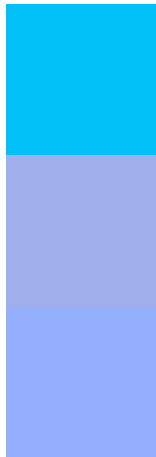


This preview shows how white text looks on a background with the Yxy color 44.4766, 0.2036, 0.2530.

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

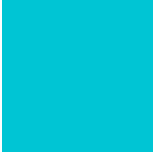
44.4766, 0.2036, 0.2530

Protanopia

43.7438, 0.2579, 0.2528

Deuteranopia

43.9841, 0.2409, 0.2348



Tritanopia

44.6860, 0.2185, 0.3066

Trichromacy



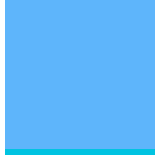
Original Color

44.4766, 0.2036, 0.2530



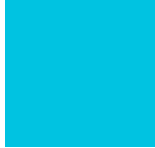
Protanomaly

42.1638, 0.2239, 0.2503



Deuteranomaly

42.3925, 0.2161, 0.2377



Tritanomaly

44.4665, 0.2127, 0.2857

Monochromacy



Original Color

44.4766, 0.2036, 0.2530



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.6106, 0.2420, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4766, 0.2036, 0.2530 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, 192, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 248)  
}
```

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, 192, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 248) }
```

Border

The CSS property to change the border of an element to Yxy 44.4766, 0.2036, 0.2530 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, 192, 248) }
```

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

```
.border{ border-color:rgb(0, 192, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4766, 0.2036, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 248) }
```

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

```
.background{ background-color: rgb(0, 192,  
248) }
```

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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