

Converting Colors

$Y_{xy}(45.1644, 0.2021, 0.2471)$

Have a look what the booklet for
Yxy(45.1644, 0.2021, 0.2471)
contains.

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Color

Yxy(45.3150, 0.2023, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	03C1FE
RGB	3, 193, 254
RGB Percent	1%, 76%, 100%
CMY	0.9888, 0.2431, 0.0039
CMYK	0.99, 0.24, 0.00, 0.00
HSL	195°, 99%, 50%
HSV	195°, 99%, 100%
XYZ	36.9944, 45.3150, 100.5598
YIQ	143.1440, -132.8210, -21.3090

Conversions

Conversions Part 2

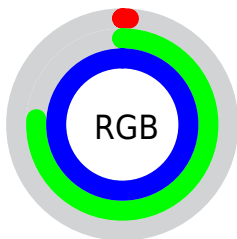
Format	Color
RYB	3, 111, 254
Decimal	246270
CIELab	73.10, -18.98, -41.15
CIELCh	73, 45.317, 245.236
Yxy	45.3150, 0.2023, 0.2478
Android (android.graphics.Color)	4278436350 (0xFF03C1FE)
YUV	143.1440, 54.6520, -122.9063
Hunter-Lab	67.3164, -19.7072, -41.4481

Details

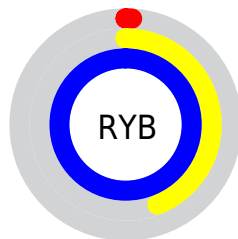
The Yxy color **45.3150, 0.2023, 0.2478** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **24.7270, 0.6098, 0.3530**, and the grayscale version is **27.3301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5488, 0.2412, 0.3218**, and **22.4965, 0.1971, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **44.9914, 0.2019, 0.2468**, and if you desaturate by 10%, it is **48.3334, 0.2063, 0.2568**.

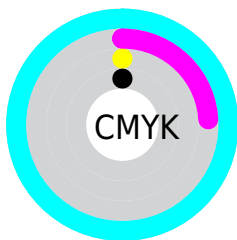
Distribution



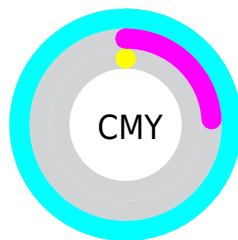
- Red (1%)
- Green (76%)
- Blue (100%)



- Red (1%)
- Yellow (44%)
- Blue (100%)



- Cyan (99%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3150, 0.2023, 0.2478 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 45.3150, 0.2023, 0.2478 by changing the saturation by 10% instead.


 45.3150, 0.2023,
0.2478


 45.3150, 0.2023,
0.2478


368.0478, 0.2544,
0.2885


 31.7056, 0.1905,
0.2380


 83.1929, 0.2204,
0.2624


 21.1367, 0.1760,
0.2256


 108.2302, 0.2274,
0.2679


 13.2240, 0.1581,
0.2098


 137.8456, 0.2335,
0.2726

 7.5830, 0.1355,
0.1890

 172.4235, 0.2388,
0.2767

 3.8293, 0.1069,
0.1610

 212.3483, 0.2434,
0.2802

 1.5785, 0.0713,
0.1227

258.0043, 0.2475,

 0.3431, 0.0000,

0.2833

0.0584

309.7760, 0.2512,
0.2860

■ 0.0000, 0.0000,
0.0000

■ 45.3150, 0.2023,
0.2478

■ 45.3150, 0.2023,
0.2478

■ 44.9914, 0.2019,
0.2468

■ 48.3334, 0.2063,
0.2568

■ 51.7575, 0.2122,
0.2659

■ 55.6638, 0.2201,
0.2751

■ 60.1036, 0.2299,
0.2841

■ 65.1207, 0.2415,
0.2929

■ 70.7536, 0.2545,
0.3014

■ 77.0368, 0.2687,
0.3093

■ 84.0020, 0.2836,
0.3167

■ 91.6787, 0.2990,
0.3235

Harmonies

Analogous

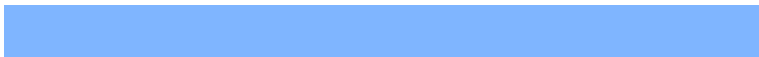
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3150, 0.2035, 0.2902



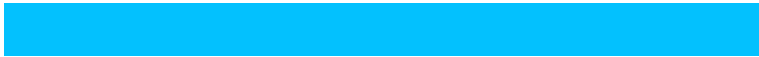
45.3150, 0.2023, 0.2478



45.3150, 0.2262, 0.2304

Triad

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



45.3150, 0.2023, 0.2478



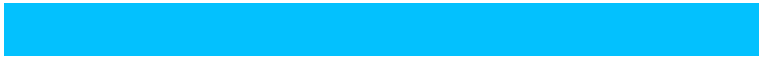
45.3150, 0.3984, 0.3003



45.3150, 0.3426, 0.4453

Complementary

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



45.3150, 0.2023, 0.2478



24.7270, 0.6098, 0.3530

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.



45.3150, 0.3994, 0.4341



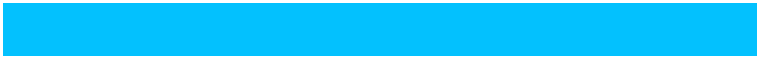
45.3150, 0.2023, 0.2478



45.3150, 0.4357, 0.3479

Square

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



45.3150, 0.2023, 0.2478



45.3150, 0.3364, 0.2608



45.3150, 0.4349, 0.3959



45.3150, 0.2808, 0.4150

Rectangle

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



45.3150, 0.2023, 0.2478



45.3150, 0.2552, 0.2317



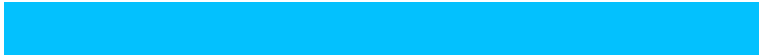
45.3150, 0.4349, 0.3959



45.3150, 0.3629, 0.4458

Sweetspot

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



45.3165, 0.2023, 0.2478



76.9778, 0.2670, 0.3084



71.2424, 0.2933, 0.5750



15.8935, 0.2610, 0.3051



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.



45.3165, 0.2023, 0.2478



45.3907, 0.2019, 0.2468



11.5334, 0.1588, 0.0911



19.6899, 0.2980, 0.3231



23.9630, 0.2023, 0.2483



2.5032, 0.2052, 0.2586

Inverse Universe

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



24.9830, 0.3944, 0.1950



25.1134, 0.3955, 0.1952



56.6292, 0.4761, 0.4596



18.2205, 0.3175, 0.3112



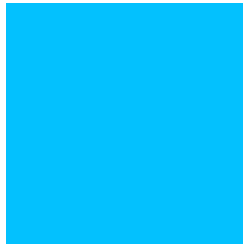
13.1470, 0.3940, 0.1944



1.2972, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 45.3150, 0.2023, 0.2478 looks on a white background.

Color Contrast Check

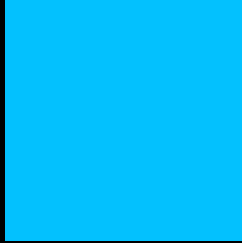
Large Text (above 18pt) WCAG AA × Fail

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 45.3150, 0.2023, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

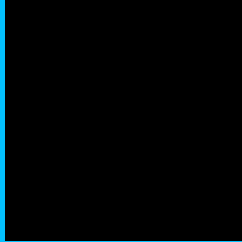
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3150, 0.2023, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 45.3150, 0.2023, 0.2478.

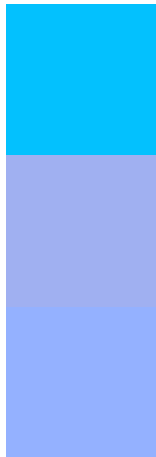


This preview shows how white text looks on a background with the Yxy color 45.3150, 0.2023, 0.2478.

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

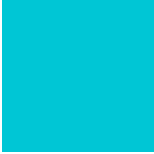
45.3150, 0.2023, 0.2478

Protanopia

44.8751, 0.2547, 0.2490

Deuteranopia

44.9602, 0.2397, 0.2344



Tritanopia

45.1923, 0.2185, 0.3067

Trichromacy



Original Color

45.3150, 0.2023, 0.2478



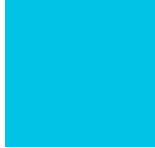
Protanomaly

42.9933, 0.2221, 0.2451



Deuteranomaly

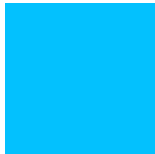
43.5199, 0.2156, 0.2363



Tritanomaly

45.0877, 0.2121, 0.2833

Monochromacy



Original Color

45.3150, 0.2023, 0.2478



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.1839, 0.2417, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3150, 0.2023, 0.2478 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(3, 193, 254)` looks like.

```
.text, #text, p{  
    color:rgb(3, 193, 254)  
}
```

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(3, 193, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 193, 254) }
```

Border

The CSS property to change the border of an element to Yxy 45.3150, 0.2023, 0.2478 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(3, 193, 254) }
```

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

```
.border{ border-color:rgb(3, 193, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 193, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 193, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 193, 254);  
box-shadow:4px 4px 4px 4px rgb(3, 193,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3150, 0.2023, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 193, 254) }
```

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

```
.background{ background-color: rgb(3, 193,  
254) }
```

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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