

Converting Colors

$Yxy(44.5468, 0.2012, 0.2440)$

Have a look what the booklet for
Yxy(44.5468, 0.2012, 0.2440)
contains.

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Color

Yxy(44.4945, 0.2012, 0.2439)

Conversions

Conversions Part 1

Format	Color
Hex	02BFFF
RGB	2, 191, 255
RGB Percent	1%, 75%, 100%
CMY	0.9903, 0.2510, 0.0001
CMYK	0.99, 0.25, 0.00, 0.00
HSL	195°, 100%, 50%
HSV	195°, 99%, 100%
XYZ	36.7048, 44.4945, 101.2300
YIQ	141.7850, -133.1880, -20.1640

Conversions

Conversions Part 2

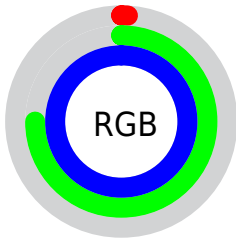
Format	Color
R_{YB}	2, 110, 255
Decimal	180223
CIE _{Lab}	72.56, -17.61, -42.51
CIE _{LCh}	73, 46.015, 247.505
Yxy	44.4945, 0.2012, 0.2439
Android (android.graphics.Color)	4278370303 (0xFF02BFFF)
YUV	141.7850, 55.8150, -122.5914
Hunter-Lab	66.7042, -18.5106, -43.2853

Details

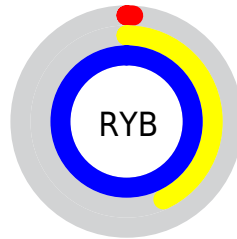
The Yxy color **44.4945, 0.2012, 0.2439** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **25.2068, 0.6080, 0.3546**, and the grayscale version is **26.8342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3189, 0.2407, 0.3195**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **44.2066, 0.2008, 0.2430**, and if you desaturate by 10%, it is **47.6062, 0.2054, 0.2533**.

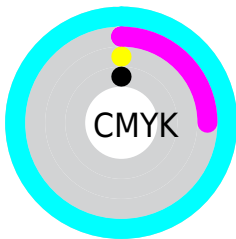
Distribution



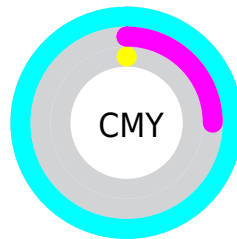
- Red (1%)
- Green (75%)
- Blue (100%)



- Red (1%)
- Yellow (43%)
- Blue (100%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4945, 0.2012, 0.2439 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 44.4945, 0.2012, 0.2439 by changing the saturation by 10% instead.

44.4945, 0.2012,
0.2439

44.4945, 0.2012,
0.2439

364.7224, 0.2539,
0.2864

31.0595, 0.1892,
0.2337

81.9613, 0.2195,
0.2591

20.6441, 0.1746,
0.2209

106.7619, 0.2267,
0.2649

12.8641, 0.1565,
0.2045

136.1198, 0.2328,
0.2698

7.3350, 0.1337,
0.1831

170.4193, 0.2381,
0.2741

3.6725, 0.1049,
0.1544

210.0450, 0.2428,
0.2778

1.4921, 0.0692,
0.1157

255.3811, 0.2470,

0.2832, 0.0000,

0.2810

0.0479

306.8121, 0.2506,
0.2838

■ 0.0000, 0.0000,
0.0000

■ 44.4945, 0.2012,
0.2439

■ 44.4945, 0.2012,
0.2439

■ 44.2066, 0.2008,
0.2430

■ 47.6062, 0.2054,
0.2533

■ 51.1350, 0.2113,
0.2629

■ 55.1590, 0.2193,
0.2725

■ 59.7307, 0.2293,
0.2819

■ 64.8945, 0.2410,
0.2912

■ 70.6894, 0.2541,
0.3000

■ 77.1505, 0.2683,
0.3083

■ 84.3101, 0.2833,
0.3161

■ 92.1981, 0.2987,
0.3232

Harmonies

Analogous

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



44.4945, 0.2004, 0.2851



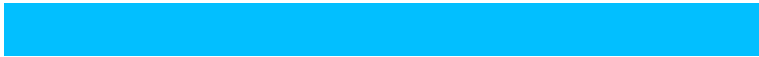
44.4945, 0.2012, 0.2439



44.4945, 0.2273, 0.2282

Triad

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



44.4945, 0.2012, 0.2439



44.4945, 0.4043, 0.3031



44.4945, 0.3382, 0.4472

Complementary

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



44.4945, 0.2012, 0.2439



25.2068, 0.6080, 0.3546

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.



44.4945, 0.3972, 0.4383



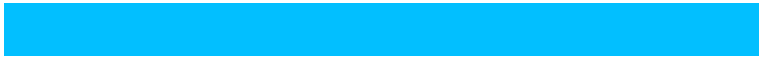
44.4945, 0.2012, 0.2439



44.4945, 0.4397, 0.3518

Square

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



44.4945, 0.2012, 0.2439



44.4945, 0.3420, 0.2621



44.4945, 0.4357, 0.4004



44.4945, 0.2755, 0.4131

Rectangle

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



44.4945, 0.2012, 0.2439



44.4945, 0.2580, 0.2307



44.4945, 0.4357, 0.4004



44.4945, 0.3591, 0.4487

Sweetspot

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



44.4960, 0.2012, 0.2439



76.5167, 0.2669, 0.3075



71.9015, 0.2924, 0.5721



15.7827, 0.2608, 0.3041



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.



44.4960, 0.2012, 0.2439



44.2207, 0.2008, 0.2430



11.0836, 0.1578, 0.0874



19.6564, 0.2980, 0.3228



23.3577, 0.2013, 0.2446



2.4487, 0.2043, 0.2553

Inverse Universe

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



25.0686, 0.3983, 0.1971



24.9953, 0.3993, 0.1973



58.8888, 0.4721, 0.4629



18.2171, 0.3177, 0.3114



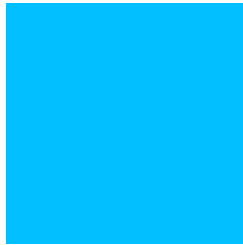
13.0859, 0.3977, 0.1964



1.2917, 0.3870, 0.1905

Previews

White Background



This preview shows how the Yxy color 44.4945, 0.2012, 0.2439 looks on a white background.

Color Contrast Check

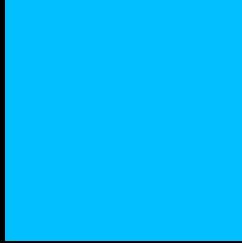
Large Text (above 18pt) WCAG AA × Fail

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 44.4945, 0.2012, 0.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

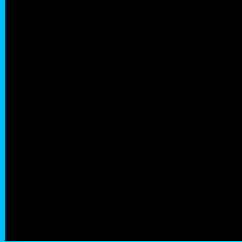
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

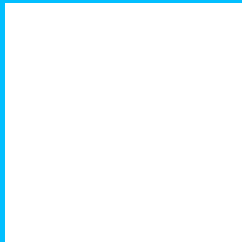
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4945, 0.2012, 0.2439

Background



This preview shows how black text looks on a background with the Yxy color 44.4945, 0.2012, 0.2439.



This preview shows how white text looks on a background with the Yxy color 44.4945, 0.2012, 0.2439.

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

44.4945, 0.2012, 0.2439

Protanopia

43.8510, 0.2518, 0.2450

Deuteranopia

43.8092, 0.2370, 0.2313



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



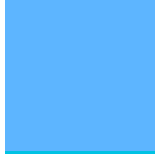
Original Color

44.4945, 0.2012, 0.2439



Protanomaly

42.1246, 0.2202, 0.2411



Deuteranomaly

42.5949, 0.2142, 0.2335



Tritanomaly

44.1361, 0.2116, 0.2816

Monochromacy



Original Color

44.4945, 0.2012, 0.2439



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.7847, 0.2408, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4945, 0.2012, 0.2439 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 191, 255)  
}
```

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, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.4945, 0.2012, 0.2439 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, 191, 255) }
```

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

```
.border{ border-color:rgb(2, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4945, 0.2012, 0.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 191, 255) }
```

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

```
.background{ background-color: rgb(2, 191,  
255) }
```

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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