

Converting Colors

$Yxy(44.3476, 0.2017, 0.2445)$

Have a look what the booklet for
Yxy(44.3476, 0.2017, 0.2445)
contains.

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Color

Yxy(44.4819, 0.2018, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	09BFFE
RGB	9, 191, 254
RGB Percent	4%, 75%, 100%
CMY	0.9645, 0.2509, 0.0038
CMYK	0.96, 0.25, 0.00, 0.00
HSL	195°, 99%, 52%
HSV	195°, 96%, 100%
XYZ	36.6386, 44.4819, 100.4383
YIQ	143.7640, -128.6950, -18.9910

Conversions

Conversions Part 2

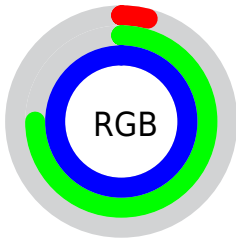
Format	Color
RYB	9, 113, 254
Decimal	638974
CIELab	72.55, -17.79, -42.02
CIELCh	73, 45.629, 247.054
Yxy	44.4819, 0.2018, 0.2450
Android (android.graphics.Color)	4278829054 (0xFF09BFFE)
YUV	143.7640, 54.3463, -118.1880
Hunter-Lab	66.6948, -18.6574, -42.6009

Details

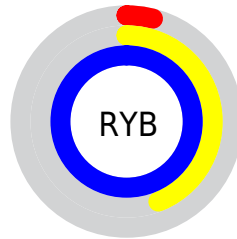
The Yxy color **44.4819, 0.2018, 0.2450** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **25.7375, 0.6012, 0.3578**, and the grayscale version is **27.6178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3864, 0.2410, 0.3195**, and **22.2082, 0.1966, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **43.4172, 0.2005, 0.2416**, and if you desaturate by 10%, it is **47.6868, 0.2064, 0.2546**.

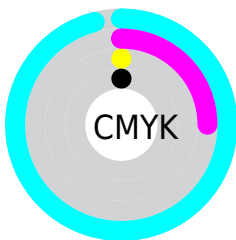
Distribution



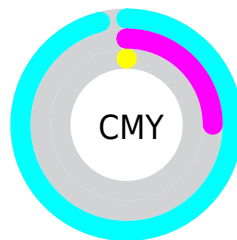
- Red (4%)
- Green (75%)
- Blue (100%)



- Red (4%)
- Yellow (44%)
- Blue (100%)



- Cyan (96%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (25%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4819, 0.2018, 0.2450 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 44.4819, 0.2018, 0.2450 by changing the saturation by 10% instead.


 44.4819, 0.2018,
0.2450

 44.4819, 0.2018,
0.2450


 364.6712, 0.2543,
0.2870


 31.0495, 0.1899,
0.2349


 81.9424, 0.2200,
0.2601


 20.6366, 0.1753,
0.2222


 106.7393, 0.2271,
0.2658


 12.8586, 0.1572,
0.2059


 136.0932, 0.2333,
0.2707

 7.3313, 0.1344,
0.1846

 170.3885, 0.2386,
0.2748

 3.6701, 0.1056,
0.1560

 210.0095, 0.2432,
0.2785

 1.4908, 0.0698,
0.1172

255.3407, 0.2474,

 0.2822, 0.0000,

0.2817

0.0487

306.7665, 0.2510,
0.2845

■ 0.0000, 0.0000,
0.0000

■ 44.4819, 0.2018,
0.2450

■ 44.4819, 0.2018,
0.2450

■ 43.4172, 0.2005,
0.2416

■ 47.6868, 0.2064,
0.2546

■ 51.3379, 0.2130,
0.2643

■ 55.4982, 0.2215,
0.2741

■ 60.2173, 0.2320,
0.2837

■ 65.5376, 0.2442,
0.2929

■ 71.4968, 0.2577,
0.3018

■ 78.1290, 0.2721,
0.3101

■ 85.4655, 0.2873,
0.3178

■ 93.5354, 0.3027,
0.3248

Harmonies

Analogous

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



44.4819, 0.2014, 0.2863



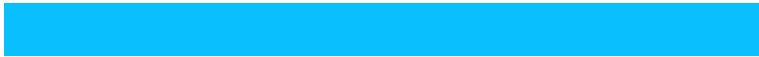
44.4819, 0.2018, 0.2450



44.4819, 0.2274, 0.2290

Triad

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



44.4819, 0.2018, 0.2450



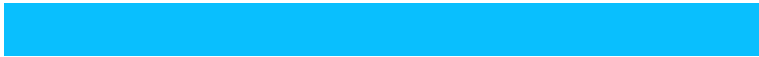
44.4819, 0.4027, 0.3027



44.4819, 0.3390, 0.4464

Complementary

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



44.4819, 0.2018, 0.2450



25.7375, 0.6012, 0.3578

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.



44.4819, 0.3974, 0.4370



44.4819, 0.2018, 0.2450



44.4819, 0.4384, 0.3509

Square

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



44.4819, 0.2018, 0.2450



44.4819, 0.3408, 0.2621



44.4819, 0.4351, 0.3993



44.4819, 0.2767, 0.4131

Rectangle

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



44.4819, 0.2018, 0.2450



44.4819, 0.2576, 0.2313



44.4819, 0.4351, 0.3993



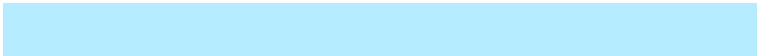
44.4819, 0.3598, 0.4476

Sweetspot

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



44.4834, 0.2018, 0.2450



77.0289, 0.2683, 0.3080



71.4020, 0.2916, 0.5677



15.8746, 0.2622, 0.3045



0.0000, 0.0000, 0.0000



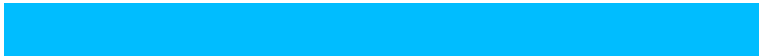
21.4041, 0.3127, 0.3290

Same Dimension

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



44.4834, 0.2018, 0.2450



43.7927, 0.2004, 0.2416



11.6330, 0.1594, 0.0917



19.6439, 0.2980, 0.3227



23.1362, 0.2009, 0.2432



2.4287, 0.2039, 0.2541

Inverse Universe

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



25.0337, 0.3971, 0.1973



24.9520, 0.4007, 0.1981



59.1375, 0.4698, 0.4634



18.2159, 0.3178, 0.3115



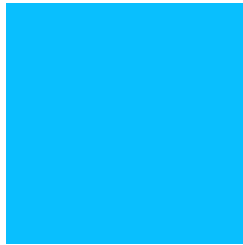
13.0636, 0.3991, 0.1972



1.2897, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 44.4819, 0.2018, 0.2450 looks on a white background.

Color Contrast Check

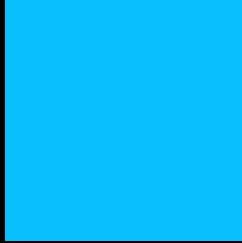
Large Text (above 18pt) WCAG AA × Fail

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 44.4819, 0.2018, 0.2450 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

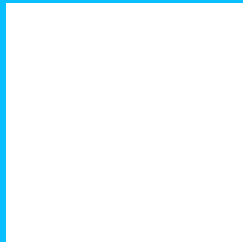
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4819, 0.2018, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 44.4819, 0.2018, 0.2450.

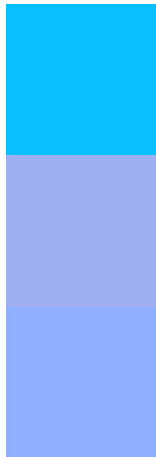


This preview shows how white text looks on a background with the Yxy color 44.4819, 0.2018, 0.2450.

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

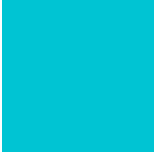
44.4754, 0.2018, 0.2450

Protanopia

43.7911, 0.2523, 0.2460

Deuteranopia

43.8997, 0.2376, 0.2315



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



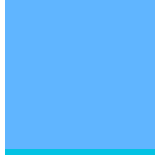
Original Color

44.4754, 0.2018, 0.2450



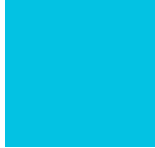
Protanomaly

42.1799, 0.2215, 0.2424



Deuteranomaly

42.7545, 0.2154, 0.2337



Tritanomaly

44.1490, 0.2117, 0.2816

Monochromacy



Original Color

44.4754, 0.2018, 0.2450



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.3833, 0.2429, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4819, 0.2018, 0.2450 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(9, 191, 254)` looks like.

```
.text, #text, p{  
    color:rgb(9, 191, 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(9, 191, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 191, 254) }
```

Border

The CSS property to change the border of an element to Yxy 44.4819, 0.2018, 0.2450 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(9, 191, 254) }
```

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

```
.border{ border-color:rgb(9, 191, 254) }
```

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

Here you see how a box with a 4 pixel rgb(9, 191, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 191, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 191, 254);  
box-shadow:4px 4px 4px 4px rgb(9, 191,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4819, 0.2018, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 191, 254) }
```

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

```
.background{ background-color: rgb(9, 191,  
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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