

Converting Colors

$Yxy(44.5844, 0.2039, 0.2434)$

Have a look what the booklet for
Yxy(44.5844, 0.2039, 0.2434)
contains.

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Color

Yxy(44.4782, 0.2038, 0.2430)

Conversions

Conversions Part 1

Format	Color
Hex	27BEFF
RGB	39, 190, 255
RGB Percent	15%, 75%, 100%
CMY	0.8472, 0.2549, 0.0000
CMYK	0.85, 0.25, 0.00, 0.00
HSL	198°, 100%, 58%
HSV	198°, 85%, 100%
XYZ	37.3031, 44.4782, 101.2565
YIQ	152.2610, -110.8610, -11.7970

Conversions

Conversions Part 2

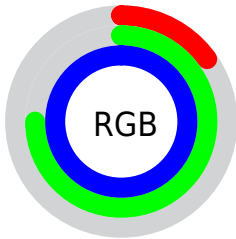
Format	Color
R _Y B	39, 128, 255
Decimal	2604799
CIE Lab	72.55, -15.59, -42.55
CIE LCh	73, 45.316, 249.876
Yxy	44.4782, 0.2038, 0.2430
Android (android.graphics.Color)	4280794879 (0xFF27BEFF)
YUV	152.2610, 50.6503, -99.3299
Hunter-Lab	66.6920, -16.8698, -43.3339

Details

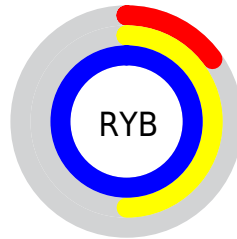
The Yxy color **44.4782, 0.2038, 0.2430** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **31.3009, 0.5585, 0.3755**, and the grayscale version is **31.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3425, 0.2436, 0.3184**, and **21.9685, 0.1958, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **40.8991, 0.1983, 0.2316**, and if you desaturate by 10%, it is **48.5642, 0.2114, 0.2546**.

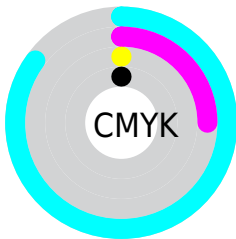
Distribution



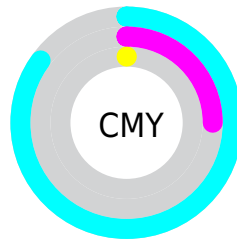
- Red (15%)
- Green (75%)
- Blue (100%)



- Red (15%)
- Yellow (50%)
- Blue (100%)



- Cyan (85%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (85%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4782, 0.2038, 0.2430 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 44.4782, 0.2038, 0.2430 by changing the saturation by 10% instead.

 44.4782, 0.2038,
0.2430

 44.4782, 0.2038,
0.2430

364.6561, 0.2554,
0.2858

 31.0466, 0.1920,
0.2327


 81.9368, 0.2218,
0.2583

 20.6344, 0.1777,
0.2199


 106.7327, 0.2287,
0.2641


 12.8570, 0.1598,
0.2036


 136.0854, 0.2348,
0.2691

 7.3301, 0.1372,
0.1822

 170.3794, 0.2400,
0.2733

 3.6694, 0.1086,
0.1536

 209.9991, 0.2446,
0.2771

 1.4904, 0.0728,
0.1151

255.3289, 0.2486,

 0.2820, 0.0000,

0.2803

0.0477

306.7531, 0.2522,
0.2832

0.0000, 0.0000,
0.0000

44.4782, 0.2038,
0.2430

44.4782, 0.2038,
0.2430

40.8991, 0.1983,
0.2316

48.5642, 0.2114,
0.2546

39.1699, 0.1960,
0.2257

53.2198, 0.2209,
0.2662

58.4939, 0.2324,
0.2775

64.4293, 0.2453,
0.2884

71.0643, 0.2595,
0.2988

■ 78.4336, 0.2744,
0.3084

■ 86.5694, 0.2899,
0.3174

■ 95.5015, 0.3054,
0.3255

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



44.4782, 0.2010, 0.2817



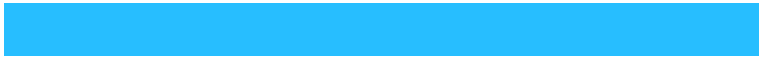
44.4782, 0.2038, 0.2430



44.4782, 0.2316, 0.2293

Triad

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



44.4782, 0.2038, 0.2430



44.4782, 0.4069, 0.3072



44.4782, 0.3330, 0.4443

Complementary

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



44.4782, 0.2038, 0.2430



31.3009, 0.5585, 0.3755

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.



44.4782, 0.3920, 0.4387



44.4782, 0.2038, 0.2430



44.4782, 0.4390, 0.3555

Square

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



44.4782, 0.2038, 0.2430



44.4782, 0.3468, 0.2658



44.4782, 0.4321, 0.4032



44.4782, 0.2716, 0.4074

Rectangle

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



44.4782, 0.2038, 0.2430



44.4782, 0.2630, 0.2329



44.4782, 0.4321, 0.4032



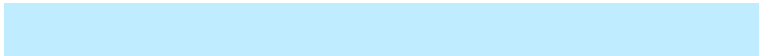
44.4782, 0.3538, 0.4469

Sweetspot

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



44.4774, 0.2038, 0.2430



78.2152, 0.2740, 0.3082



72.9457, 0.2851, 0.5321



16.1703, 0.2687, 0.3049



0.0000, 0.0000, 0.0000



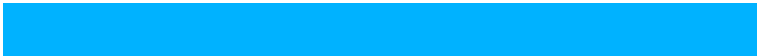
21.4041, 0.3127, 0.3290

Same Dimension

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



44.4774, 0.2038, 0.2430



39.1699, 0.1960, 0.2257



13.7119, 0.1664, 0.1041



19.5044, 0.2980, 0.3217



20.7415, 0.1966, 0.2276



2.2113, 0.2001, 0.2405

Inverse Universe

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



26.4267, 0.3980, 0.2052



24.4854, 0.4172, 0.2072



68.3903, 0.4484, 0.4711



18.2018, 0.3184, 0.3125



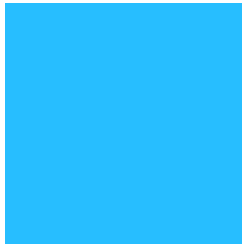
12.8218, 0.4152, 0.2061



1.2678, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 44.4782, 0.2038, 0.2430 looks on a white background.

Color Contrast Check

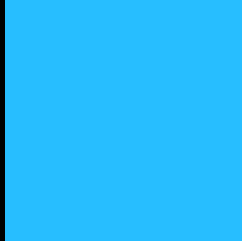
Large Text (above 18pt) WCAG AA × Fail

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 44.4782, 0.2038, 0.2430 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

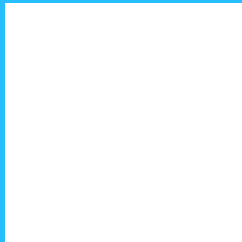
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4782, 0.2038, 0.2430

Background



This preview shows how black text looks on a background with the Yxy color 44.4782, 0.2038, 0.2430.



This preview shows how white text looks on a background with the Yxy color 44.4782, 0.2038, 0.2430.

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

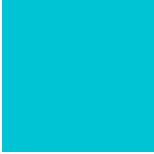
44.4782, 0.2038, 0.2430

Protanopia

43.7508, 0.2511, 0.2448

Deuteranopia

43.8092, 0.2370, 0.2313



Tritanopia

44.2333, 0.2181, 0.3050

Trichromacy



Original Color

44.4782, 0.2038, 0.2430



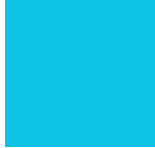
Protanomaly

42.8686, 0.2256, 0.2423



Deuteranomaly

42.9267, 0.2191, 0.2333



Tritanomaly

44.2784, 0.2120, 0.2804

Monochromacy



Original Color

44.4782, 0.2038, 0.2430



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.3261, 0.2512, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4782, 0.2038, 0.2430 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(39, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 190, 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(39, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.4782, 0.2038, 0.2430 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(39, 190, 255) }
```

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

```
.border{ border-color:rgb(39, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4782, 0.2038, 0.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 190, 255) }
```

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

```
.background{ background-color: rgb(39, 190,  
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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