

Converting Colors

$Y_{xy}(44.4386, 0.2069, 0.2420)$

Have a look what the booklet for
Yxy(44.4386, 0.2069, 0.2420)
contains.

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Color

Yxy(44.5450, 0.2070, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	3BBDFE
RGB	59, 189, 255
RGB Percent	23%, 74%, 100%
CMY	0.7693, 0.2587, 0.0001
CMYK	0.77, 0.26, 0.00, 0.00
HSL	200°, 100%, 62%
HSV	200°, 77%, 100%
XYZ	38.0397, 44.5450, 101.1818
YIQ	157.6540, -98.6660, -7.0340

Conversions

Conversions Part 2

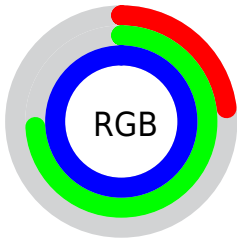
Format	Color
RYB	59, 137, 255
Decimal	3915263
CIELab	72.59, -13.39, -42.43
CIELCh	73, 44.488, 252.486
Yxy	44.5450, 0.2070, 0.2424
Android (android.graphics.Color)	4282105343 (0xFF3BBDFF)
YUV	157.6540, 47.9916, -86.5196
Hunter-Lab	66.7420, -15.0624, -43.1650

Details

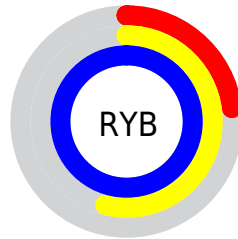
The Yxy color **44.5450, 0.2070, 0.2424** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **36.1808, 0.5247, 0.3849**, and the grayscale version is **33.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5114, 0.2472, 0.3173**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **40.3701, 0.1994, 0.2294**, and if you desaturate by 10%, it is **49.3206, 0.2167, 0.2555**.

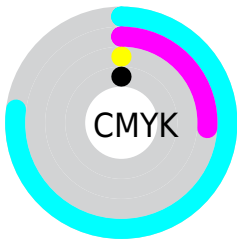
Distribution



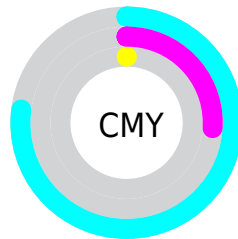
- Red (23%)
- Green (74%)
- Blue (100%)



- Red (23%)
- Yellow (54%)
- Blue (100%)



- Cyan (77%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5450, 0.2070, 0.2424 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 44.5450, 0.2070, 0.2424 by changing the saturation by 10% instead.

■ 44.5450, 0.2070,
0.2424

■ 44.5450, 0.2070,
0.2424

■ 364.9277, 0.2572,
0.2853

■ 31.0992, 0.1955,
0.2322

■ 82.0372, 0.2245,
0.2577

■ 20.6744, 0.1814,
0.2194

■ 106.8524, 0.2313,
0.2635

■ 12.8862, 0.1639,
0.2031

■ 136.2262, 0.2372,
0.2685

■ 7.3502, 0.1417,
0.1818

■ 170.5429, 0.2422,
0.2728

■ 3.6821, 0.1133,
0.1534

■ 210.1871, 0.2467,
0.2765

■ 1.4974, 0.0775,
0.1151

■ 255.5430, 0.2506,

■ 0.2869, 0.0000,

0.2798

0.0485

306.9950, 0.2541,
0.2827

0.0000, 0.0000,
0.0000

44.5450, 0.2070,
0.2424

44.5450, 0.2070,
0.2424

40.3701, 0.1994,
0.2294

49.3206, 0.2167,
0.2555

36.7255, 0.1939,
0.2166

54.7448, 0.2282,
0.2683

35.6846, 0.1924,
0.2127

60.8644, 0.2414,
0.2808

67.7195, 0.2557,
0.2926

75.3465, 0.2708,
0.3037

■ 83.7792, 0.2863,
0.3138

■ 93.0487, 0.3020,
0.3231

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



44.5450, 0.2021, 0.2784



44.5450, 0.2070, 0.2424



44.5450, 0.2365, 0.2309

Triad

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



44.5450, 0.2070, 0.2424



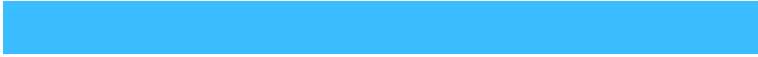
44.5450, 0.4092, 0.3116



44.5450, 0.3274, 0.4404

Complementary

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



44.5450, 0.2070, 0.2424



36.1808, 0.5247, 0.3849

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.



44.5450, 0.3862, 0.4387



44.5450, 0.2070, 0.2424



44.5450, 0.4376, 0.3595

Square

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



44.5450, 0.2070, 0.2424



44.5450, 0.3519, 0.2699



44.5450, 0.4277, 0.4058



44.5450, 0.2676, 0.4009

Rectangle

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



44.5450, 0.2070, 0.2424



44.5450, 0.2686, 0.2356



44.5450, 0.4277, 0.4058



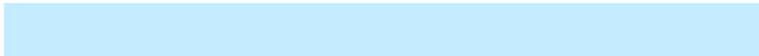
44.5450, 0.3479, 0.4444

Sweetspot

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



44.5465, 0.2070, 0.2424



78.5792, 0.2769, 0.3078



73.8910, 0.2816, 0.5050



16.1853, 0.2713, 0.3040



0.0000, 0.0000, 0.0000



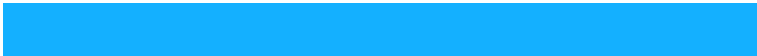
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5465, 0.2070, 0.2424



38.4689, 0.1964, 0.2229



15.7129, 0.1741, 0.1158



19.3921, 0.2980, 0.3208



18.9364, 0.1930, 0.2148



2.0456, 0.1971, 0.2294

Inverse Universe

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



28.0402, 0.3972, 0.2143



24.9137, 0.4196, 0.2118



73.9640, 0.4346, 0.4712



18.1904, 0.3190, 0.3133



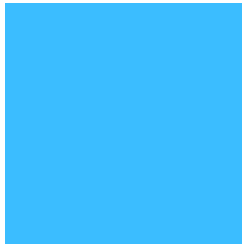
12.6396, 0.4288, 0.2136



1.2511, 0.4133, 0.2050

Previews

White Background



This preview shows how the Yxy color 44.5450, 0.2070, 0.2424 looks on a white background.

Color Contrast Check

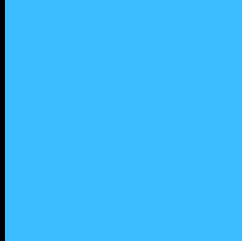
Large Text (above 18pt) WCAG AA × Fail

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 44.5450, 0.2070, 0.2424 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

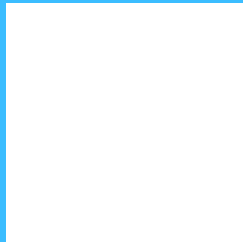
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5450, 0.2070, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 44.5450, 0.2070, 0.2424.

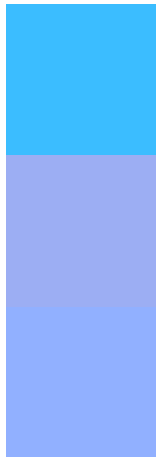


This preview shows how white text looks on a background with the Yxy color 44.5450, 0.2070, 0.2424.

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

44.5450, 0.2070, 0.2424

Protanopia

43.8111, 0.2505, 0.2438

Deuteranopia

44.2904, 0.2378, 0.2327



Tritanopia

44.2333, 0.2181, 0.3050

Trichromacy



Original Color

44.5450, 0.2070, 0.2424



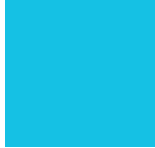
Protanomaly

43.0205, 0.2292, 0.2417



Deuteranomaly

43.8452, 0.2229, 0.2354



Tritanomaly

43.9008, 0.2121, 0.2789

Monochromacy



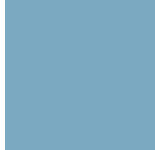
Original Color

44.5450, 0.2070, 0.2424



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.3638, 0.2568, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5450, 0.2070, 0.2424 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(59, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 189, 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(59, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5450, 0.2070, 0.2424 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(59, 189, 255) }
```

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

```
.border{ border-color:rgb(59, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5450, 0.2070, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 189, 255) }
```

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

```
.background{ background-color: rgb(59, 189,  
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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