

Converting Colors

$Y_{xy}(44.2522, 0.2082, 0.2438)$

Have a look what the booklet for
Yxy(44.2522, 0.2082, 0.2438)
contains.

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Color

Yxy(44.0824, 0.2080, 0.2432)

Conversions

Conversions Part 1

Format	Color
Hex	3EBCFD
RGB	62, 188, 253
RGB Percent	24%, 74%, 99%
CMY	0.7569, 0.2627, 0.0077
CMYK	0.76, 0.26, 0.00, 0.01
HSL	200°, 98%, 62%
HSV	200°, 76%, 99%
XYZ	37.7021, 44.0824, 99.4754
YIQ	157.7360, -95.9610, -6.4970

Conversions

Conversions Part 2

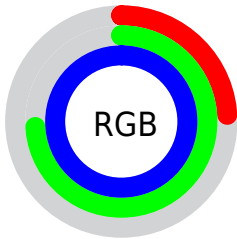
Format	Color
R _Y B	62, 138, 253
Decimal	4111613
CIE Lab	72.28, -13.16, -41.85
CIE LCh	72, 43.871, 252.551
Yxy	44.0824, 0.2080, 0.2432
Android (android.graphics.Color)	4282301693 (0xFF3EBCFD)
YUV	157.7360, 46.9652, -83.9605
Hunter-Lab	66.3946, -14.8296, -42.3548

Details

The Yxy color **44.0824, 0.2080, 0.2432** 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 **36.4200, 0.5188, 0.3858**, and the grayscale version is **33.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9897, 0.2473, 0.3162**, and **21.3135, 0.1955, 0.2237** is the 20% darker color. If you saturate the color by 10%, you get **39.8767, 0.2000, 0.2300**, and if you desaturate by 10%, it is **48.8911, 0.2180, 0.2564**.

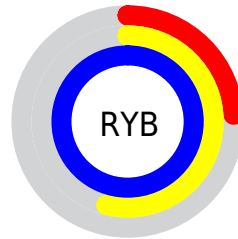
Distribution



Red (24%)

Green (74%)

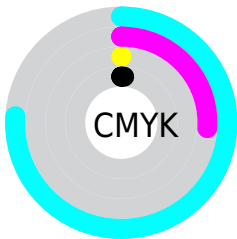
Blue (99%)



Red (24%)

Yellow (54%)

Blue (99%)

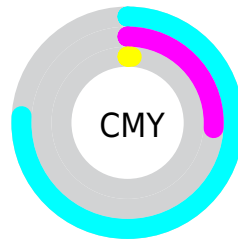


Cyan (76%)

Magenta (26%)

Yellow (0%)

Black (1%)



Cyan (76%)

Magenta (26%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0824, 0.2080, 0.2432 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 44.0824, 0.2080, 0.2432 by changing the saturation by 10% instead.

44.0824, 0.2080,
0.2432

44.0824, 0.2080,
0.2432

363.0444, 0.2579,
0.2858

30.7353, 0.1966,
0.2330

81.3417, 0.2254,
0.2584

20.3974, 0.1825,
0.2202

106.0227, 0.2322,
0.2642

12.6842, 0.1650,
0.2039

135.2505, 0.2380,
0.2691

7.2115, 0.1427,
0.1826

169.4094, 0.2430,
0.2734

3.5947, 0.1141,
0.1540

208.8838, 0.2474,
0.2771

1.4495, 0.0779,
0.1155

254.0582, 0.2513,

0.2528, 0.0000,

0.2803

0.0449

305.3170, 0.2548,
0.2832

■ 0.0000, 0.0000,
0.0000

■ 44.0824, 0.2080,
0.2432

■ 44.0824, 0.2080,
0.2432

■ 39.8767, 0.2000,
0.2300

■ 48.8911, 0.2180,
0.2564

■ 36.2078, 0.1942,
0.2170

■ 54.3487, 0.2299,
0.2694

■ 34.6942, 0.1920,
0.2113

■ 60.5003, 0.2433,
0.2819

■ 67.3849, 0.2578,
0.2938

■ 75.0381, 0.2730,
0.3049

■ 83.4924, 0.2886,
0.3151

■ 92.7785, 0.3042,
0.3243

99.8738, 0.3138,
0.3309

Harmonies

Analogous

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



44.0824, 0.2031, 0.2789



44.0824, 0.2080, 0.2432



44.0824, 0.2373, 0.2318

Triad

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



44.0824, 0.2080, 0.2432



44.0824, 0.4083, 0.3120



44.0824, 0.3272, 0.4391

Complementary

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



44.0824, 0.2080, 0.2432



36.4200, 0.5188, 0.3858

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.



44.0824, 0.3855, 0.4376



44.0824, 0.2080, 0.2432



44.0824, 0.4363, 0.3595

Square

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



44.0824, 0.2080, 0.2432



44.0824, 0.3517, 0.2706



44.0824, 0.4265, 0.4053



44.0824, 0.2680, 0.4000

Rectangle

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



44.0824, 0.2080, 0.2432



44.0824, 0.2692, 0.2364



44.0824, 0.4265, 0.4053



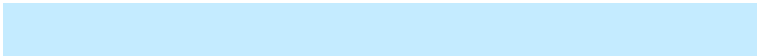
44.0824, 0.3475, 0.4431

Sweetspot

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



44.0839, 0.2080, 0.2432



78.4397, 0.2769, 0.3075



72.7919, 0.2815, 0.5014



16.1513, 0.2713, 0.3037



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.



44.0839, 0.2080, 0.2432



38.4560, 0.1965, 0.2228



16.0925, 0.1761, 0.1195



19.3789, 0.2980, 0.3207



18.7322, 0.1926, 0.2133



2.0268, 0.1967, 0.2281

Inverse Universe

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



27.9633, 0.3961, 0.2158



25.0058, 0.4196, 0.2125



73.0499, 0.4329, 0.4699



18.1891, 0.3191, 0.3134



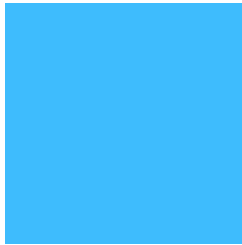
12.6190, 0.4304, 0.2145



1.2491, 0.4147, 0.2058

Previews

White Background



This preview shows how the Yxy color 44.0824, 0.2080, 0.2432 looks on a white background.

Color Contrast Check

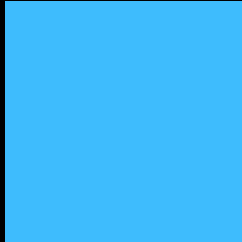
Large Text (above 18pt) WCAG AA × Fail

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 44.0824, 0.2080, 0.2432 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

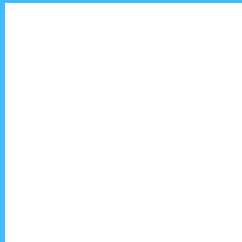
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0824, 0.2080, 0.2432

Background



This preview shows how black text looks on a background with the Yxy color 44.0824, 0.2080, 0.2432.



This preview shows how white text looks on a background with the Yxy color 44.0824, 0.2080, 0.2432.

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

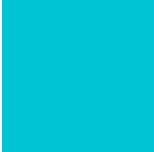
44.0824, 0.2080, 0.2432

Protanopia

43.7508, 0.2511, 0.2448

Deuteranopia

43.8092, 0.2370, 0.2313



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



Original Color

44.0824, 0.2080, 0.2432



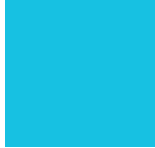
Protanomaly

43.0316, 0.2302, 0.2429



Deuteranomaly

43.3757, 0.2230, 0.2351



Tritanomaly

43.8131, 0.2130, 0.2815

Monochromacy



Original Color

44.0824, 0.2080, 0.2432



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.4371, 0.2575, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0824, 0.2080, 0.2432 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(62, 188, 253)` looks like.

```
.text, #text, p{  
    color:rgb(62, 188, 253)  
}
```

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(62, 188, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 188, 253) }
```

Border

The CSS property to change the border of an element to Yxy 44.0824, 0.2080, 0.2432 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(62, 188, 253) }
```

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

```
.border{ border-color:rgb(62, 188, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 188, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 188, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 188, 253);  
box-shadow:4px 4px 4px 4px rgb(62, 188,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0824, 0.2080, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 188, 253) }
```

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

```
.background{ background-color: rgb(62, 188,  
253) }
```

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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