

Converting Colors

$Y_{xy}(43.7793, 0.2183, 0.2365)$

Have a look what the booklet for
Yxy(43.7793, 0.2183, 0.2365)
contains.

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Color

Yxy(43.9118, 0.2183, 0.2369)

Conversions

Conversions Part 1	
Format	Color
Hex	66B7FF
RGB	102, 183, 255
RGB Percent	40%, 72%, 100%
CMY	0.6002, 0.2823, 0.0000
CMYK	0.60, 0.28, 0.00, 0.00
HSL	208°, 100%, 70%
HSV	208°, 60%, 100%
XYZ	40.4641, 43.9118, 100.9842
YIQ	166.9890, -71.3880, 5.2200

Conversions

Conversions Part 2

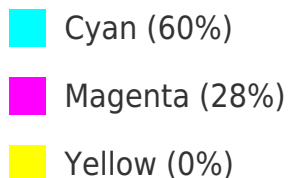
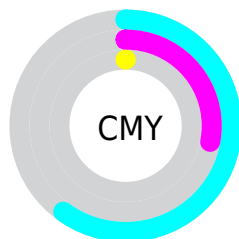
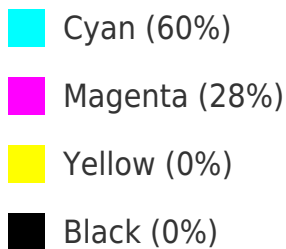
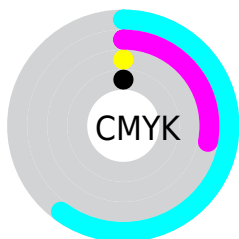
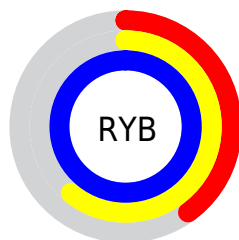
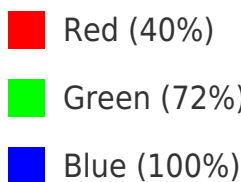
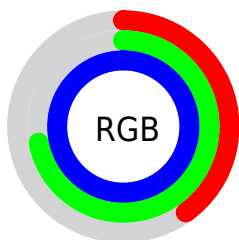
Format	Color
RYB	102, 155, 255
Decimal	6731775
CIELab	72.17, -3.90, -43.03
CIELCh	72, 43.202, 264.817
Yxy	43.9118, 0.2183, 0.2369
Android (android.graphics.Color)	4284921855 (0xFF66B7FF)
YUV	166.9890, 43.3894, -56.9954
Hunter-Lab	66.2660, -6.9677, -43.9671

Details

The Yxy color **43.9118, 0.2183, 0.2369** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.4743, 0.4492, 0.4011**, and the grayscale version is **38.4435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7395, 0.2594, 0.3109**, and **20.2131, 0.1947, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **37.9038, 0.2053, 0.2184**, and if you desaturate by 10%, it is **50.7975, 0.2329, 0.2551**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9118, 0.2183, 0.2369 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 43.9118, 0.2183, 0.2369 by changing the saturation by 10% instead.


 43.9118, 0.2183,
0.2369


 43.9118, 0.2183,
0.2369


362.3482, 0.2637,
0.2817


 30.6012, 0.2078,
0.2264


 81.0850, 0.2343,
0.2528

 20.2953, 0.1947,
0.2133


 105.7164, 0.2404,
0.2588

 12.6099, 0.1784,
0.1967


 134.8901, 0.2457,
0.2641

 7.1605, 0.1573,
0.1752

168.9906, 0.2503,
0.2686

 3.5627, 0.1299,
0.1469

208.4023, 0.2543,
0.2725

 1.4321, 0.0940,
0.1091


253.5095, 0.2578,


 0.2402, 0.0223,


0.2759


0.0402


304.6967, 0.2609,
0.2790

 0.0000, 0.0000,
0.0000


 43.9118, 0.2183,
0.2369


 43.9118, 0.2183,
0.2369

 37.9038, 0.2053,
0.2184


 50.7975, 0.2329,
0.2551


 32.7226, 0.1942,
0.1998

 58.6121, 0.2486,
0.2724

 28.3043, 0.1855,
0.1817

 67.3986, 0.2647,
0.2885

 24.5580, 0.1791,
0.1646

 77.1973, 0.2811,
0.3034

 88.0462, 0.2971,
0.3169

99.9808, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

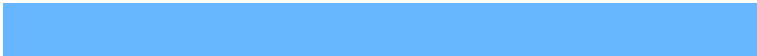
Harmonies

Analogous

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



43.9118, 0.2034, 0.2623



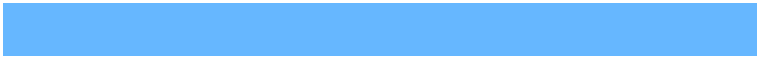
43.9118, 0.2183, 0.2369



43.9118, 0.2566, 0.2347

Triad

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



43.9118, 0.2183, 0.2369



43.9118, 0.4226, 0.3311



43.9118, 0.3024, 0.4262

Complementary

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



43.9118, 0.2183, 0.2369



52.4743, 0.4492, 0.4011

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.



43.9118, 0.3623, 0.4414



43.9118, 0.2183, 0.2369



43.9118, 0.4351, 0.3784

Square

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



43.9118, 0.2183, 0.2369



43.9118, 0.3761, 0.2869



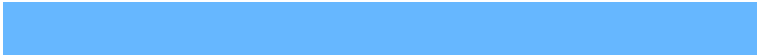
43.9118, 0.4116, 0.4199



43.9118, 0.2483, 0.3745

Rectangle

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



43.9118, 0.2183, 0.2369



43.9118, 0.2931, 0.2447



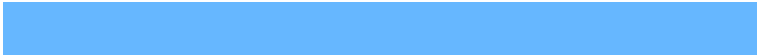
43.9118, 0.4116, 0.4199



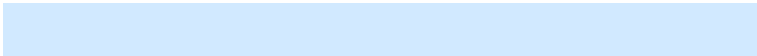
43.9118, 0.3225, 0.4359

Sweetspot

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



43.9107, 0.2183, 0.2369



79.2981, 0.2843, 0.3062



77.3743, 0.2738, 0.4340



16.3268, 0.2796, 0.3021



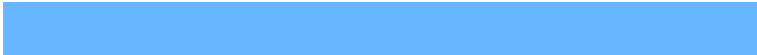
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



43.9107, 0.2183, 0.2369



36.8117, 0.2029, 0.2147



20.5708, 0.1966, 0.1405



18.9703, 0.2979, 0.3175



13.1338, 0.1798, 0.1674



1.4976, 0.1853, 0.1871

Inverse Universe

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



34.1741, 0.3974, 0.2490



28.6681, 0.4237, 0.2398



90.5268, 0.4005, 0.4660



18.1479, 0.3211, 0.3165



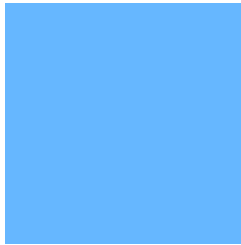
12.0538, 0.4839, 0.2439



1.1957, 0.4602, 0.2309

Previews

White Background



This preview shows how the Yxy color 43.9118, 0.2183, 0.2369 looks on a white background.

Color Contrast Check

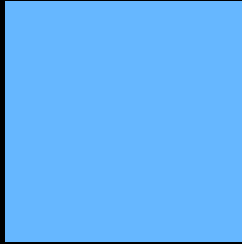
Large Text (above 18pt) WCAG AA × Fail

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 43.9118, 0.2183, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

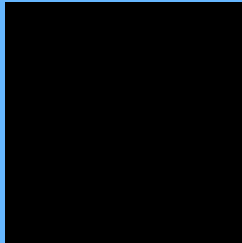
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

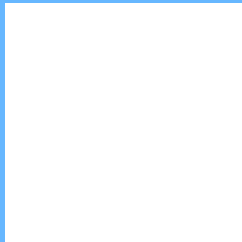
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.9118, 0.2183, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 43.9118, 0.2183, 0.2369.

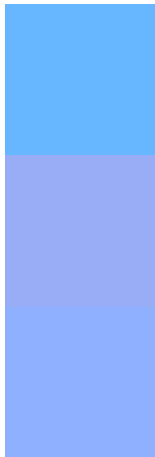


This preview shows how white text looks on a background with the Yxy color 43.9118, 0.2183, 0.2369.

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

43.9118, 0.2183, 0.2369

Protanopia

43.3748, 0.2462, 0.2380

Deuteranopia

43.7196, 0.2364, 0.2312



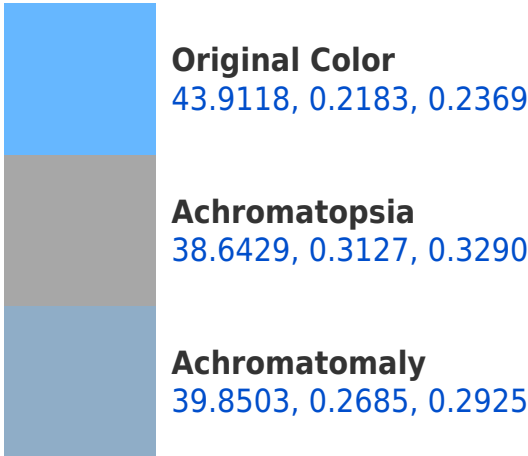
Tritanopia

44.0027, 0.2335, 0.3055

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9118, 0.2183, 0.2369 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(102, 183, 255) looks like.

```
.text, #text, p{  
    color:rgb(102, 183, 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(102, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.9118, 0.2183, 0.2369 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(102, 183, 255) }
```

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

```
.border{ border-color:rgb(102, 183, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 183, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9118, 0.2183, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 183, 255) }
```

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

```
.background{ background-color: rgb(102,  
183, 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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