

Converting Colors

$Y_{xy}(44.9259, 0.2139, 0.2612)$

Have a look what the booklet for
Yxy(44.9259, 0.2139, 0.2612)
contains.

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Color

Yxy(44.7025, 0.2139, 0.2610)

Conversions

Conversions Part 1

Format	Color
Hex	40BFF1
RGB	64, 191, 241
RGB Percent	25%, 75%, 95%
CMY	0.7481, 0.2510, 0.0548
CMYK	0.73, 0.21, 0.00, 0.05
HSL	197°, 86%, 60%
HSV	197°, 73%, 95%
XYZ	36.6355, 44.7025, 89.9359
YIQ	158.7270, -91.7420, -11.3740

Conversions

Conversions Part 2

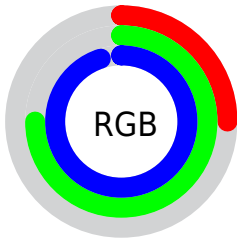
Format	Color
R _{YB}	64, 138, 241
Decimal	4243441
CIE _{Lab}	72.70, -18.43, -34.73
CIE _{LCh}	73, 39.316, 242.048
Yxy	44.7025, 0.2139, 0.2610
Android (android.graphics.Color)	4282433521 (0xFF40BFF1)
YUV	158.7270, 40.5606, -83.0756
Hunter-Lab	66.8599, -19.1969, -32.9514

Details

The Yxy color **44.7025, 0.2139, 0.2610** 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 **31.1728, 0.5209, 0.3753**, and the grayscale version is **34.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8099, 0.2480, 0.3197**, and **21.6797, 0.2013, 0.2445** is the 20% darker color. If you saturate the color by 10%, you get **41.1538, 0.2063, 0.2502**, and if you desaturate by 10%, it is **48.7422, 0.2235, 0.2718**.

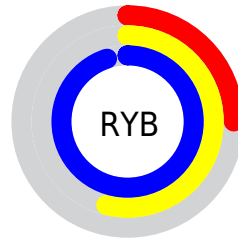
Distribution



Red (25%)

Green (75%)

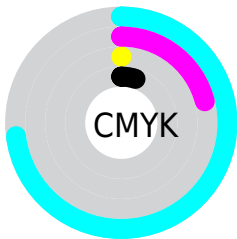
Blue (95%)



Red (25%)

Yellow (54%)

Blue (95%)

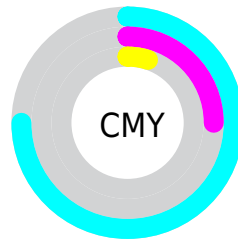


Cyan (73%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (25%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7025, 0.2139, 0.2610 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 44.7025, 0.2139, 0.2610 by changing the saturation by 10% instead.


 44.7025, 0.2139,
0.2610


 44.7025, 0.2139,
0.2610


365.5673, 0.2612,
0.2955

 31.2232, 0.2029,
0.2525

 82.2738, 0.2305,
0.2735


 20.7688, 0.1894,
0.2416


 107.1346, 0.2369,
0.2782

 12.9551, 0.1723,
0.2275

 136.5579, 0.2424,
0.2822

 7.3977, 0.1504,
0.2084

 170.9282, 0.2472,
0.2857

 3.7120, 0.1217,
0.1819

210.6299, 0.2513,
0.2886

 1.5138, 0.0842,
0.1438

256.0474, 0.2550,

 0.2984, 0.0000,

0.2912

0.0681

307.5651, 0.2583,
0.2935

■ 0.0000, 0.0000,
0.0000

■ 44.7025, 0.2139,
0.2610

■ 44.7025, 0.2139,
0.2610

■ 41.1538, 0.2063,
0.2502

■ 48.7422, 0.2235,
0.2718

■ 38.0410, 0.2007,
0.2395

■ 53.3098, 0.2349,
0.2823

■ 36.1648, 0.1979,
0.2325

■ 58.4433, 0.2478,
0.2924

■ 64.1751, 0.2618,
0.3020

■ 70.5349, 0.2767,
0.3109

77.5499, 0.2921,
0.3192

85.2456, 0.3075,
0.3267

93.2564, 0.3216,
0.3334

97.4732, 0.3210,
0.3400

Harmonies

Analogous

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



44.7025, 0.2177, 0.3011



44.7025, 0.2139, 0.2610



44.7025, 0.2331, 0.2425

Triad

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



44.7025, 0.2139, 0.2610



44.7025, 0.3824, 0.3000



44.7025, 0.3456, 0.4303

Complementary

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



44.7025, 0.2139, 0.2610



31.1728, 0.5209, 0.3753

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.



44.7025, 0.3939, 0.4190



44.7025, 0.2139, 0.2610



44.7025, 0.4179, 0.3422

Square

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



44.7025, 0.2139, 0.2610



44.7025, 0.3276, 0.2656



44.7025, 0.4214, 0.3850



44.7025, 0.2909, 0.4073

Rectangle

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



44.7025, 0.2139, 0.2610



44.7025, 0.2577, 0.2420



44.7025, 0.4214, 0.3850



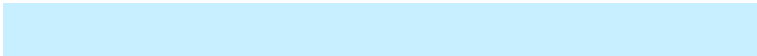
44.7025, 0.3631, 0.4300

Sweetspot

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



44.7041, 0.2139, 0.2610



81.1525, 0.2787, 0.3120



65.1792, 0.2862, 0.5113



16.9281, 0.2746, 0.3097



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.



44.7041, 0.2139, 0.2610



44.9786, 0.2033, 0.2449



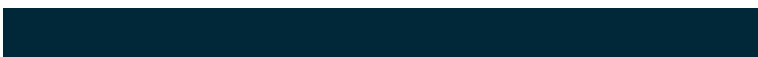
17.6506, 0.1831, 0.1399



17.1287, 0.2981, 0.3222



19.8471, 0.1984, 0.2342



1.8190, 0.2023, 0.2482

Inverse Universe

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



26.1582, 0.3787, 0.2084



26.0022, 0.3965, 0.2015



60.2810, 0.4394, 0.4582



15.9507, 0.3181, 0.3122



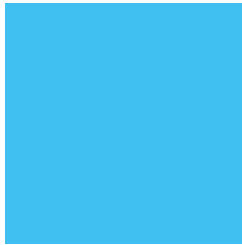
11.7969, 0.4082, 0.2022



0.9983, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 44.7025, 0.2139, 0.2610 looks on a white background.

Color Contrast Check

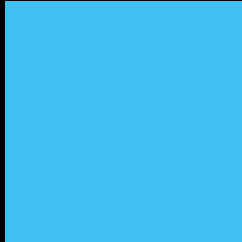
Large Text (above 18pt) WCAG AA × Fail

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 44.7025, 0.2139, 0.2610 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

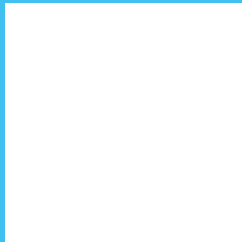
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7025, 0.2139, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 44.7025, 0.2139, 0.2610.



This preview shows how white text looks on a background with the Yxy color 44.7025, 0.2139, 0.2610.

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

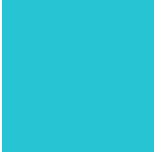
44.7025, 0.2139, 0.2610

Protanopia

44.1036, 0.2638, 0.2610

Deuteranopia

44.2211, 0.2489, 0.2429



Tritanopia

44.6647, 0.2218, 0.3052

Trichromacy



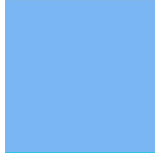
Original Color

44.7025, 0.2139, 0.2610



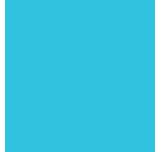
Protanomaly

43.4430, 0.2397, 0.2605



Deuteranomaly

43.7170, 0.2317, 0.2477



Tritanomaly

44.5397, 0.2183, 0.2874

Monochromacy



Original Color

44.7025, 0.2139, 0.2610



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.1599, 0.2619, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7025, 0.2139, 0.2610 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(64, 191, 241)` looks like.

```
.text, #text, p{  
    color:rgb(64, 191, 241)  
}
```

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(64, 191, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 191, 241) }
```

Border

The CSS property to change the border of an element to Yxy 44.7025, 0.2139, 0.2610 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(64, 191, 241) }
```

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

```
.border{ border-color:rgb(64, 191, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 191, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 191, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 191, 241);  
box-shadow:4px 4px 4px 4px rgb(64, 191,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7025, 0.2139, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 191, 241) }
```

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

```
.background{ background-color: rgb(64, 191,  
241) }
```

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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