

Converting Colors

$Yxy(44.0544, 0.2126, 0.2687)$

Have a look what the booklet for
Yxy(44.0544, 0.2126, 0.2687)
contains.

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Color

Yxy(43.8641, 0.2123, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	2FBFEB
RGB	47, 191, 235
RGB Percent	18%, 75%, 92%
CMY	0.8159, 0.2510, 0.0783
CMYK	0.80, 0.19, 0.00, 0.08
HSL	194°, 82%, 55%
HSV	194°, 80%, 92%
XYZ	34.7995, 43.8641, 85.2531
YIQ	152.9600, -99.9480, -16.8440

Conversions

Conversions Part 2

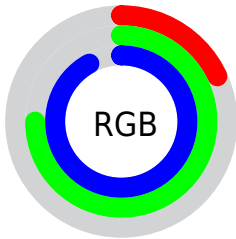
Format	Color
RYB	47, 129, 235
Decimal	3129323
CIELab	72.14, -22.21, -32.38
CIELCh	72, 39.260, 235.554
Yxy	43.8641, 0.2123, 0.2676
Android (android.graphics.Color)	4281319403 (0xFF2FBFEB)
YUV	152.9600, 40.4457, -92.9269
Hunter-Lab	66.2300, -22.1124, -29.9587

Details

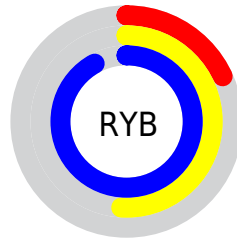
The Yxy color **43.8641, 0.2123, 0.2676** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **25.3498, 0.5549, 0.3652**, and the grayscale version is **31.6846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5658, 0.2441, 0.3207**, and **21.1460, 0.2032, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **41.0951, 0.2067, 0.2589**, and if you desaturate by 10%, it is **47.0265, 0.2199, 0.2764**.

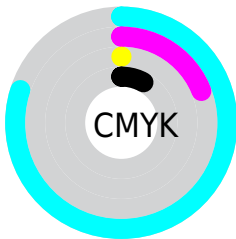
Distribution



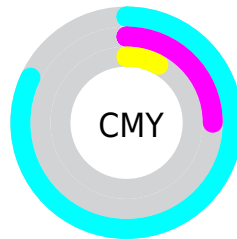
- Red (18%)
- Green (75%)
- Blue (92%)



- Red (18%)
- Yellow (51%)
- Blue (92%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (82%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8641, 0.2123, 0.2676 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 43.8641, 0.2123, 0.2676 by changing the saturation by 10% instead.

43.8641, 0.2123,
0.2676

43.8641, 0.2123,
0.2676

362.1534, 0.2605,
0.2993

30.5637, 0.2011,
0.2596

81.0132, 0.2292,
0.2792

20.2668, 0.1872,
0.2493

105.6307, 0.2358,
0.2836

12.5892, 0.1697,
0.2358

134.7893, 0.2414,
0.2872

7.1463, 0.1471,
0.2173

168.8735, 0.2462,
0.2904

3.5537, 0.1175,
0.1911

208.2676, 0.2505,
0.2931

1.4272, 0.0785,
0.1524

253.3560, 0.2542,

0.2366, 0.0000,

0.2954

0.0632

304.5232, 0.2575,
0.2975

■ 0.0000, 0.0000,
0.0000

■ 43.8641, 0.2123,
0.2676

■ 43.8641, 0.2123,
0.2676

■ 41.0951, 0.2067,
0.2589

■ 47.0265, 0.2199,
0.2764

■ 38.6480, 0.2029,
0.2503

■ 50.6209, 0.2294,
0.2850

■ 54.6855, 0.2406,
0.2935

■ 59.2522, 0.2534,
0.3016

■ 64.3500, 0.2673,
0.3093

■ 70.0050, 0.2820,
0.3164

■ 76.2419, 0.2972,
0.3230

■ 83.0832, 0.3127,
0.3290

■ 89.8861, 0.3257,
0.3344

Harmonies

Analogous

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



43.8641, 0.2212, 0.3122



43.8641, 0.2123, 0.2676



43.8641, 0.2267, 0.2443

Triad

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



43.8641, 0.2123, 0.2676



43.8641, 0.3718, 0.2914



43.8641, 0.3573, 0.4310

Complementary

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



43.8641, 0.2123, 0.2676



25.3498, 0.5549, 0.3652

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.



43.8641, 0.4024, 0.4134



43.8641, 0.2123, 0.2676



43.8641, 0.4132, 0.3327

Square

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



43.8641, 0.2123, 0.2676



43.8641, 0.3152, 0.2595



43.8641, 0.4241, 0.3763



43.8641, 0.3025, 0.4157

Rectangle

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



43.8641, 0.2123, 0.2676



43.8641, 0.2484, 0.2408



43.8641, 0.4241, 0.3763



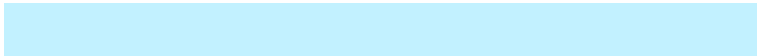
43.8641, 0.3741, 0.4283

Sweetspot

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



43.8656, 0.2123, 0.2676



81.3805, 0.2759, 0.3136



60.7903, 0.2889, 0.5360



16.9021, 0.2706, 0.3110



0.0000, 0.0000, 0.0000



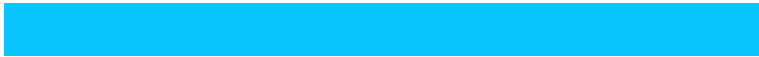
21.4041, 0.3127, 0.3290

Same Dimension

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



43.8656, 0.2123, 0.2676



47.5348, 0.2042, 0.2534



15.1708, 0.1762, 0.1307



16.4893, 0.2981, 0.3234



21.7076, 0.2033, 0.2517



1.8490, 0.2066, 0.2636

Inverse Universe

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



23.4578, 0.3736, 0.1961



25.5446, 0.3887, 0.1928



52.5179, 0.4543, 0.4579



15.2499, 0.3174, 0.3111



11.6842, 0.3906, 0.1925



0.9321, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 43.8641, 0.2123, 0.2676 looks on a white background.

Color Contrast Check

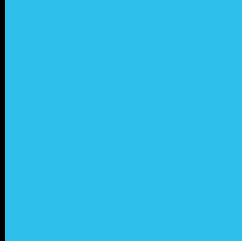
Large Text (above 18pt) WCAG AA × Fail

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 43.8641, 0.2123, 0.2676 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 43.8641, 0.2123, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 43.8641, 0.2123, 0.2676.



This preview shows how white text looks on a background with the Yxy color 43.8641, 0.2123, 0.2676.

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

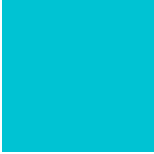
43.8641, 0.2123, 0.2676

Protanopia

43.3326, 0.2682, 0.2676

Deuteranopia

43.1871, 0.2526, 0.2467



Tritanopia

43.7334, 0.2180, 0.3049

Trichromacy



Original Color

43.8641, 0.2123, 0.2676

Protanomaly

42.2535, 0.2392, 0.2655

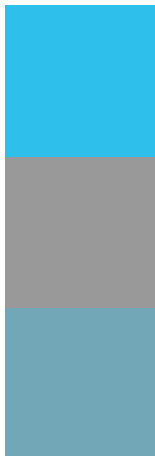
Deuteranomaly

42.5286, 0.2312, 0.2524

Tritanomaly

43.8701, 0.2152, 0.2910

Monochromacy



Original Color

43.8641, 0.2123, 0.2676

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.6337, 0.2573, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8641, 0.2123, 0.2676 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(47, 191, 235)` looks like.

```
.text, #text, p{  
    color:rgb(47, 191, 235)  
}
```

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(47, 191, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 191, 235) }
```

Border

The CSS property to change the border of an element to Yxy 43.8641, 0.2123, 0.2676 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(47, 191, 235) }
```

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

```
.border{ border-color:rgb(47, 191, 235) }
```

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

Here you see how a box with a 4 pixel rgb(47, 191, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 191, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 191, 235);  
box-shadow:4px 4px 4px 4px rgb(47, 191,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8641, 0.2123, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 191, 235) }
```

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

```
.background{ background-color: rgb(47, 191,  
235) }
```

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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