

Converting Colors

$Yxy(48.6320, 0.2133, 0.2514)$

Have a look what the booklet for
Yxy(48.6320, 0.2133, 0.2514)
contains.

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Color

Yxy(48.7303, 0.2143, 0.2543)

Conversions

Conversions Part 1

Format	Color
Hex	4DC5FF
RGB	77, 197, 255
RGB Percent	30%, 77%, 100%
CMY	0.6986, 0.2274, 0.0001
CMYK	0.70, 0.23, 0.00, 0.00
HSL	200°, 100%, 65%
HSV	200°, 70%, 100%
XYZ	41.0653, 48.7303, 101.8297
YIQ	167.7320, -90.1380, -7.4020

Conversions

Conversions Part 2

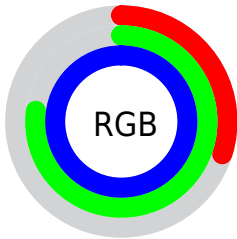
Format	Color
RYB	77, 149, 255
Decimal	5096959
CIELab	75.28, -15.47, -38.20
CIElCh	75, 41.214, 247.952
Yxy	48.7303, 0.2143, 0.2543
Android (android.graphics.Color)	4283287039 (0xFF4DC5FF)
YUV	167.7320, 43.0231, -79.5720
Hunter-Lab	69.8071, -17.1565, -37.6231

Details

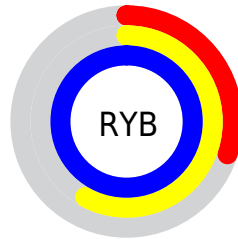
The Yxy color **48.7303, 0.2143, 0.2543** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.0697, 0.5015, 0.3826**, and the grayscale version is **38.8222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1234, 0.2539, 0.3277**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **44.2076, 0.2054, 0.2417**, and if you desaturate by 10%, it is **53.8789, 0.2252, 0.2668**.

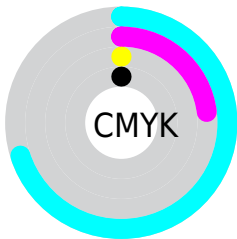
Distribution



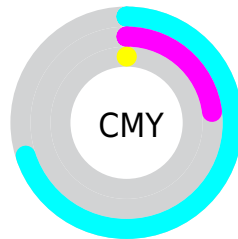
- Red (30%)
- Green (77%)
- Blue (100%)



- Red (30%)
- Yellow (58%)
- Blue (100%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7303, 0.2143, 0.2543 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 48.7303, 0.2143, 0.2543 by changing the saturation by 10% instead.


 48.7303, 0.2143,
0.2543


 48.7303, 0.2143,
0.2543

381.6796, 0.2607,
0.2912


 34.4056, 0.2037,
0.2455


 88.2908, 0.2304,
0.2675

 23.2054, 0.1908,
0.2344

 114.2953, 0.2367,
0.2725

 14.7452, 0.1746,
0.2202


 144.9619, 0.2421,
0.2768

 8.6408, 0.1541,
0.2015

 180.6749, 0.2468,
0.2805

 4.5076, 0.1275,
0.1762

221.8188, 0.2509,
0.2837

 1.9614, 0.0930,
0.1411

268.7780, 0.2545,

 0.5849, 0.0275,

0.2865

0.0902

321.9368, 0.2578,
0.2890

0.0000, 0.0000,
0.0000

48.7303, 0.2143,
0.2543

48.7303, 0.2143,
0.2543

44.2076, 0.2054,
0.2417

53.8789, 0.2252,
0.2668

40.2506, 0.1986,
0.2292

59.6950, 0.2377,
0.2789

36.7744, 0.1936,
0.2169

66.2214, 0.2516,
0.2905

36.7255, 0.1935,
0.2167

73.4952, 0.2664,
0.3014

81.5504, 0.2818,
0.3115

■ 90.4186, 0.2974,
0.3208

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.



48.7303, 0.2135, 0.2909



48.7303, 0.2143, 0.2543



48.7303, 0.2382, 0.2400

Triad

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



48.7303, 0.2143, 0.2543



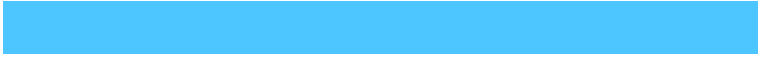
48.7303, 0.3929, 0.3074



48.7303, 0.3352, 0.4306

Complementary

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



48.7303, 0.2143, 0.2543



39.0697, 0.5015, 0.3826

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.



48.7303, 0.3868, 0.4251



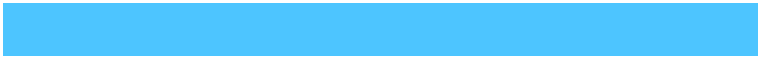
48.7303, 0.2143, 0.2543



48.7303, 0.4233, 0.3510

Square

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



48.7303, 0.2143, 0.2543



48.7303, 0.3394, 0.2704



48.7303, 0.4201, 0.3937



48.7303, 0.2801, 0.4003

Rectangle

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



48.7303, 0.2143, 0.2543



48.7303, 0.2657, 0.2421



48.7303, 0.4201, 0.3937



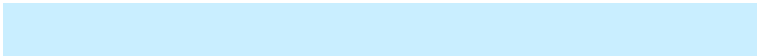
48.7303, 0.3535, 0.4326

Sweetspot

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



48.7320, 0.2143, 0.2543



80.6014, 0.2800, 0.3104



74.7792, 0.2827, 0.4910



16.7642, 0.2758, 0.3077



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.



48.7320, 0.2143, 0.2543



42.5095, 0.2023, 0.2365



19.8399, 0.1855, 0.1383



19.4264, 0.2980, 0.3211



19.4770, 0.1941, 0.2187



2.0954, 0.1980, 0.2328

Inverse Universe

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



30.5773, 0.3842, 0.2177



26.3474, 0.4045, 0.2097



74.2049, 0.4280, 0.4618



18.1939, 0.3188, 0.3131



12.6942, 0.4246, 0.2113



1.2561, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 48.7303, 0.2143, 0.2543 looks on a white background.

Color Contrast Check

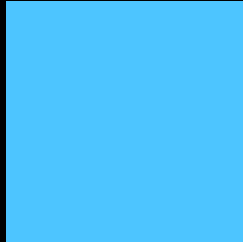
Large Text (above 18pt) WCAG AA × Fail

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 48.7303, 0.2143, 0.2543 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

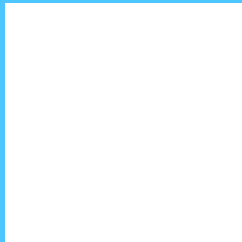
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7303, 0.2143, 0.2543

Background



This preview shows how black text looks on a background with the Yxy color 48.7303, 0.2143, 0.2543.



This preview shows how white text looks on a background with the Yxy color 48.7303, 0.2143, 0.2543.

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

48.7303, 0.2143, 0.2543

Protanopia

48.1425, 0.2591, 0.2554

Deuteranopia

48.1495, 0.2480, 0.2423



Tritanopia

48.6092, 0.2237, 0.3047

Trichromacy



Original Color

48.7303, 0.2143, 0.2543

Protanomaly

47.3244, 0.2380, 0.2537

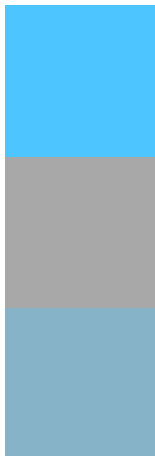
Deuteranomaly

47.5065, 0.2322, 0.2450

Tritanomaly

48.6486, 0.2198, 0.2850

Monochromacy



Original Color

48.7303, 0.2143, 0.2543

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.5612, 0.2632, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7303, 0.2143, 0.2543 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(77, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 197, 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(77, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7303, 0.2143, 0.2543 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(77, 197, 255) }
```

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

```
.border{ border-color:rgb(77, 197, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7303, 0.2143, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 197, 255) }
```

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

```
.background{ background-color: rgb(77, 197,  
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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