

Converting Colors

$Yxy(47.3983, 0.2132, 0.2502)$

Have a look what the booklet for
Yxy(47.3983, 0.2132, 0.2502)
contains.

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Color

Yxy(47.3814, 0.2133, 0.2502)

Conversions

Conversions Part 1

Format	Color
Hex	4DC2FF
RGB	77, 194, 255
RGB Percent	30%, 76%, 100%
CMY	0.6983, 0.2392, 0.0001
CMYK	0.70, 0.24, 0.00, 0.00
HSL	201°, 100%, 65%
HSV	201°, 70%, 100%
XYZ	40.3935, 47.3814, 101.5992
YIQ	165.9710, -89.3130, -5.8330

Conversions

Conversions Part 2

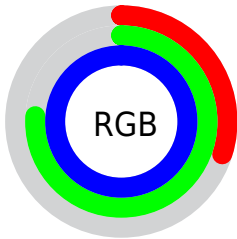
Format	Color
RYB	77, 148, 255
Decimal	5096191
CIELab	74.43, -13.88, -39.52
CIElCh	74, 41.884, 250.649
Yxy	47.3814, 0.2133, 0.2502
Android (android.graphics.Color)	4283286271 (0xFF4DC2FF)
YUV	165.9710, 43.8913, -78.0276
Hunter-Lab	68.8341, -15.7118, -39.3281

Details

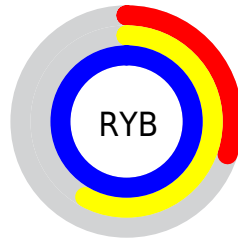
The Yxy color **47.3814, 0.2133, 0.2502** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.9330, 0.4986, 0.3856**, and the grayscale version is **37.9264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5205, 0.2527, 0.3232**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.7506, 0.2041, 0.2369**, and if you desaturate by 10%, it is **52.6589, 0.2244, 0.2634**.

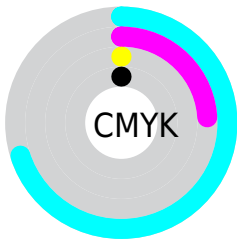
Distribution



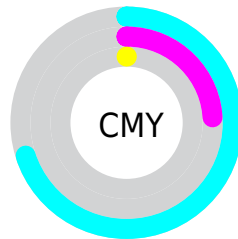
- Red (30%)
- Green (76%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3814, 0.2133, 0.2502 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 47.3814, 0.2133, 0.2502 by changing the saturation by 10% instead.

47.3814, 0.2133,
0.2502

47.3814, 0.2133,
0.2502

376.3349, 0.2603,
0.2891

33.3373, 0.2026,
0.2409

86.2827, 0.2297,
0.2641

22.3849, 0.1894,
0.2293

111.9086, 0.2360,
0.2694

14.1400, 0.1729,
0.2144

142.1639, 0.2415,
0.2739

8.2181, 0.1520,
0.1949

177.4329, 0.2463,
0.2778

4.2348, 0.1250,
0.1686

218.1002, 0.2504,
0.2811

1.8058, 0.0901,
0.1325

264.5500, 0.2541,

0.4908, 0.0203,

0.2841

0.0779

317.1667, 0.2574,
0.2867

■ 0.0000, 0.0000,
0.0000

■ 47.3814, 0.2133,
0.2502

■ 47.3814, 0.2133,
0.2502

■ 42.7506, 0.2041,
0.2369

■ 52.6589, 0.2244,
0.2634

■ 38.7060, 0.1971,
0.2236

■ 58.6254, 0.2372,
0.2762

■ 35.1622, 0.1919,
0.2107

■ 65.3243, 0.2513,
0.2885

■ 35.1044, 0.1918,
0.2105

■ 72.7930, 0.2663,
0.3000

■ 81.0662, 0.2818,
0.3106

■ 90.1760, 0.2974,
0.3204

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



47.3814, 0.2102, 0.2855



47.3814, 0.2133, 0.2502



47.3814, 0.2396, 0.2377

Triad

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



47.3814, 0.2133, 0.2502



47.3814, 0.3990, 0.3106



47.3814, 0.3304, 0.4321

Complementary

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



47.3814, 0.2133, 0.2502



39.9330, 0.4986, 0.3856

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.



47.3814, 0.3843, 0.4294



47.3814, 0.2133, 0.2502



47.3814, 0.4273, 0.3554

Square

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



47.3814, 0.2133, 0.2502



47.3814, 0.3454, 0.2720



47.3814, 0.4208, 0.3986



47.3814, 0.2745, 0.3979

Rectangle

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



47.3814, 0.2133, 0.2502



47.3814, 0.2690, 0.2411



47.3814, 0.4208, 0.3986



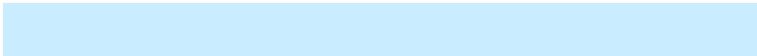
47.3814, 0.3494, 0.4352

Sweetspot

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



47.3831, 0.2133, 0.2502



80.0752, 0.2800, 0.3094



74.8619, 0.2815, 0.4871



16.6384, 0.2757, 0.3066



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.



47.3831, 0.2133, 0.2502



41.0061, 0.2009, 0.2313



19.2253, 0.1847, 0.1350



19.3727, 0.2980, 0.3207



18.6361, 0.1924, 0.2126



2.0179, 0.1965, 0.2274

Inverse Universe

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



30.4478, 0.3881, 0.2204



26.1956, 0.4097, 0.2128



75.8007, 0.4259, 0.4641



18.1885, 0.3191, 0.3135



12.6093, 0.4312, 0.2149



1.2482, 0.4153, 0.2062

Previews

White Background



This preview shows how the Yxy color 47.3814, 0.2133, 0.2502 looks on a white background.

Color Contrast Check

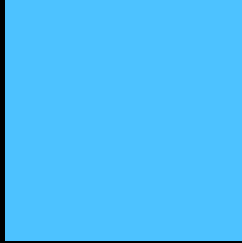
Large Text (above 18pt) WCAG AA × Fail

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 47.3814, 0.2133, 0.2502 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

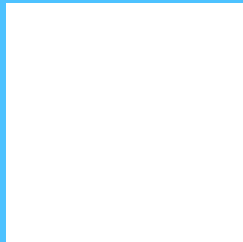
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3814, 0.2133, 0.2502

Background



This preview shows how black text looks on a background with the Yxy color 47.3814, 0.2133, 0.2502.



This preview shows how white text looks on a background with the Yxy color 47.3814, 0.2133, 0.2502.

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

47.3814, 0.2133, 0.2502

Protanopia

46.6644, 0.2561, 0.2502

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

47.4612, 0.2238, 0.3059

Trichromacy



Original Color

47.3814, 0.2133, 0.2502

Protanomaly

45.9638, 0.2357, 0.2485

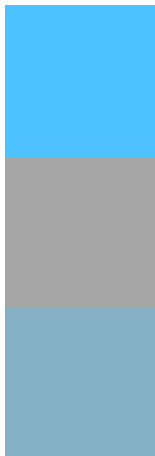
Deuteranomaly

46.4299, 0.2302, 0.2420

Tritanomaly

47.1183, 0.2193, 0.2832

Monochromacy



Original Color

47.3814, 0.2133, 0.2502

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.1962, 0.2632, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3814, 0.2133, 0.2502 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, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 194, 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, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.3814, 0.2133, 0.2502 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, 194, 255) }
```

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

```
.border{ border-color:rgb(77, 194, 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, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3814, 0.2133, 0.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 194, 255) }
```

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

```
.background{ background-color: rgb(77, 194,  
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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