

Converting Colors

$Yxy(47.9189, 0.2137, 0.2518)$

Have a look what the booklet for
Yxy(47.9189, 0.2137, 0.2518)
contains.

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Color

Yxy(47.8280, 0.2136, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	4DC3FF
RGB	77, 195, 255
RGB Percent	30%, 76%, 100%
CMY	0.6986, 0.2352, 0.0000
CMYK	0.70, 0.24, 0.00, 0.00
HSL	200°, 100%, 65%
HSV	200°, 70%, 100%
XYZ	40.6205, 47.8280, 101.7225
YIQ	166.5580, -89.5880, -6.3560

Conversions

Conversions Part 2

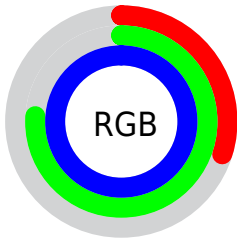
Format	Color
R _Y B	77, 148, 255
Decimal	5096447
CIE Lab	74.72, -14.40, -39.11
CIE LCh	75, 41.674, 249.790
Yxy	47.8280, 0.2136, 0.2515
Android (android.graphics.Color)	4283286527 (0xFF4DC3FF)
YUV	166.5580, 43.6019, -78.5424
Hunter-Lab	69.1578, -16.1824, -38.7977

Details

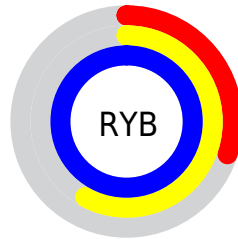
The Yxy color **47.8280, 0.2136, 0.2515** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.6432, 0.4996, 0.3846**, and the grayscale version is **38.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8605, 0.2535, 0.3255**, and **23.1270, 0.1978, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **43.2304, 0.2045, 0.2384**, and if you desaturate by 10%, it is **53.0616, 0.2247, 0.2645**.

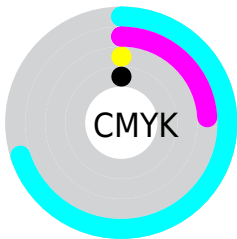
Distribution



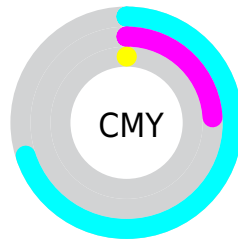
- Red (30%)
- Green (76%)
- Blue (100%)



- 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 47.8280, 0.2136, 0.2515 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 47.8280, 0.2136, 0.2515 by changing the saturation by 10% instead.

47.8280, 0.2136,
0.2515

47.8280, 0.2136,
0.2515

378.1100, 0.2604,
0.2898

33.6907, 0.2029,
0.2424

86.9483, 0.2299,
0.2651

22.6561, 0.1898,
0.2309

112.7000, 0.2362,
0.2704

14.3398, 0.1735,
0.2163

143.0920, 0.2417,
0.2748

8.3574, 0.1527,
0.1970

178.5087, 0.2464,
0.2786

4.3245, 0.1258,
0.1711

219.3344, 0.2506,
0.2819

1.8567, 0.0910,
0.1352

265.9536, 0.2542,

0.5221, 0.0227,

0.2849

0.0820

318.7507, 0.2575,
0.2875

■ 0.0000, 0.0000,
0.0000

■ 47.8280, 0.2136,
0.2515

■ 47.8280, 0.2136,
0.2515

■ 43.2304, 0.2045,
0.2384

■ 53.0616, 0.2247,
0.2645

■ 39.2140, 0.1975,
0.2254

■ 58.9790, 0.2374,
0.2771

■ 35.6915, 0.1925,
0.2127

■ 65.6213, 0.2514,
0.2892

■ 35.6435, 0.1924,
0.2126

■ 73.0262, 0.2663,
0.3005

■ 81.2278, 0.2818,
0.3109

■ 90.2583, 0.2974,
0.3205

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.



47.8280, 0.2113, 0.2872



47.8280, 0.2136, 0.2515



47.8280, 0.2391, 0.2384

Triad

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



47.8280, 0.2136, 0.2515



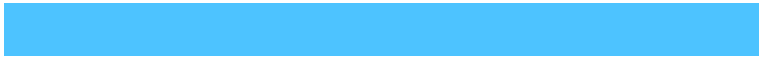
47.8280, 0.3971, 0.3096



47.8280, 0.3319, 0.4317

Complementary

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



47.8280, 0.2136, 0.2515



39.6432, 0.4996, 0.3846

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.



47.8280, 0.3851, 0.4280



47.8280, 0.2136, 0.2515



47.8280, 0.4261, 0.3540

Square

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



47.8280, 0.2136, 0.2515



47.8280, 0.3435, 0.2715



47.8280, 0.4206, 0.3970



47.8280, 0.2763, 0.3987

Rectangle

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



47.8280, 0.2136, 0.2515



47.8280, 0.2679, 0.2414



47.8280, 0.4206, 0.3970



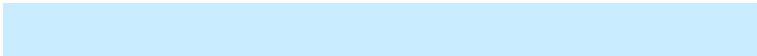
47.8280, 0.3507, 0.4344

Sweetspot

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



47.8278, 0.2136, 0.2515



80.2491, 0.2800, 0.3098



74.8766, 0.2815, 0.4872



16.6800, 0.2757, 0.3069



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.



47.8278, 0.2136, 0.2515



41.4996, 0.2014, 0.2330



19.2147, 0.1847, 0.1349



19.3905, 0.2980, 0.3208



18.9115, 0.1930, 0.2147



2.0433, 0.1970, 0.2292

Inverse Universe

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



30.4895, 0.3868, 0.2195



26.2454, 0.4080, 0.2118



75.8125, 0.4260, 0.4641



18.1903, 0.3190, 0.3134



12.6371, 0.4290, 0.2137



1.2508, 0.4135, 0.2051

Previews

White Background



This preview shows how the Yxy color 47.8280, 0.2136, 0.2515 looks on a white background.

Color Contrast Check

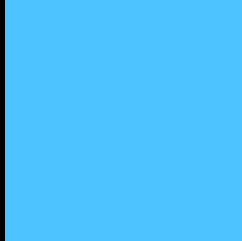
Large Text (above 18pt) WCAG AA × Fail

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 47.8280, 0.2136, 0.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

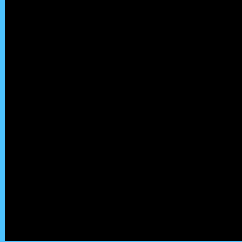
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

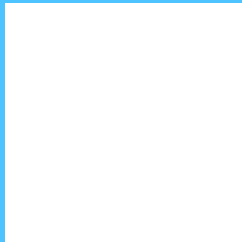
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8280, 0.2136, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 47.8280, 0.2136, 0.2515.



This preview shows how white text looks on a background with the Yxy color 47.8280, 0.2136, 0.2515.

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

47.8280, 0.2136, 0.2515

Protanopia

47.1735, 0.2569, 0.2516

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

48.0068, 0.2240, 0.3060

Trichromacy



Original Color

47.8280, 0.2136, 0.2515

Protanomaly

46.4618, 0.2365, 0.2499

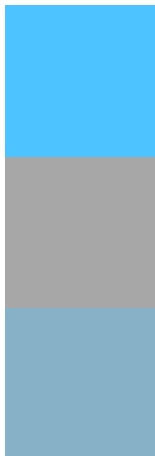
Deuteranomaly

46.9270, 0.2309, 0.2435

Tritanomaly

47.5770, 0.2196, 0.2847

Monochromacy



Original Color

47.8280, 0.2136, 0.2515

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.6361, 0.2628, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8280, 0.2136, 0.2515 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, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 195, 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, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8280, 0.2136, 0.2515 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, 195, 255) }
```

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

```
.border{ border-color:rgb(77, 195, 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, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 195, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 195, 255); box-shadow:4px 4px 4px 4px rgb(77, 195, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8280, 0.2136, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 195, 255) }
```

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

```
.background{ background-color: rgb(77, 195,  
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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