

Converting Colors

$Yxy(48.2776, 0.2140, 0.2529)$

Have a look what the booklet for
Yxy(48.2776, 0.2140, 0.2529)
contains.

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Color

Yxy(48.2776, 0.2140, 0.2529)

Conversions

Conversions Part 1

Format	Color
Hex	4DC4FF
RGB	77, 196, 255
RGB Percent	30%, 77%, 100%
CMY	0.6978, 0.2314, 0.0000
CMYK	0.70, 0.23, 0.00, 0.00
HSL	200°, 100%, 65%
HSV	200°, 70%, 100%
XYZ	40.8517, 48.2776, 101.7667
YIQ	167.1450, -89.8630, -6.8790

Conversions

Conversions Part 2

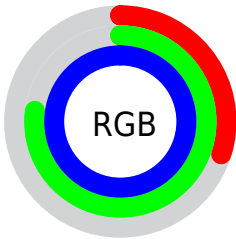
Format	Color
RYB	77, 148, 255
Decimal	5096703
CIELab	75.00, -14.90, -38.65
CIElCh	75, 41.423, 248.911
Yxy	48.2776, 0.2140, 0.2529
Android (android.graphics.Color)	4283286783 (0xFF4DC4FF)
YUV	167.1450, 43.3125, -79.0572
Hunter-Lab	69.4821, -16.6452, -38.2014

Details

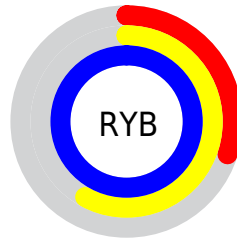
The Yxy color **48.2776, 0.2140, 0.2529** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.4156, 0.5002, 0.3837**, and the grayscale version is **38.5426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4903, 0.2537, 0.3266**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **43.7107, 0.2050, 0.2400**, and if you desaturate by 10%, it is **53.4783, 0.2250, 0.2657**.

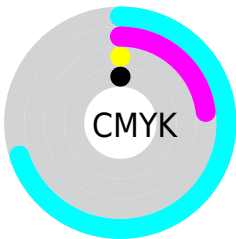
Distribution



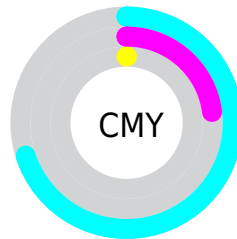
- Red (30%)
- Green (77%)
- Blue (100%)



- 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 48.2776, 0.2140, 0.2529 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 48.2776, 0.2140, 0.2529 by changing the saturation by 10% instead.


 48.2776, 0.2140,
0.2529

 48.2776, 0.2140,
0.2529


379.8914, 0.2606,
0.2905


 34.0468, 0.2034,
0.2439


 87.6176, 0.2302,
0.2663


 22.9295, 0.1904,
0.2327


 113.4955, 0.2365,
0.2714

 14.5415, 0.1741,
0.2182


 144.0246, 0.2419,
0.2758

 8.4982, 0.1534,
0.1993

 179.5893, 0.2466,
0.2795

 4.4154, 0.1267,
0.1736

220.5739, 0.2508,
0.2828

 1.9085, 0.0921,
0.1382

267.3629, 0.2544,

 0.5535, 0.0253,

0.2857

0.0862

320.3406, 0.2577,
0.2882

0.0000, 0.0000,
0.0000

48.2776, 0.2140,
0.2529

48.2776, 0.2140,
0.2529

43.7107, 0.2050,
0.2400

53.4783, 0.2250,
0.2657

39.7172, 0.1981,
0.2272

59.3545, 0.2376,
0.2780

36.2127, 0.1930,
0.2147

65.9491, 0.2516,
0.2899

36.1404, 0.1929,
0.2145

73.2995, 0.2665,
0.3010

81.4399, 0.2819,
0.3113

■ 90.4020, 0.2975,
0.3207

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



48.2776, 0.2124, 0.2890



48.2776, 0.2140, 0.2529



48.2776, 0.2387, 0.2392

Triad

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



48.2776, 0.2140, 0.2529



48.2776, 0.3950, 0.3086



48.2776, 0.3335, 0.4311

Complementary

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



48.2776, 0.2140, 0.2529



39.4156, 0.5002, 0.3837

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.



48.2776, 0.3859, 0.4266



48.2776, 0.2140, 0.2529



48.2776, 0.4247, 0.3525

Square

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



48.2776, 0.2140, 0.2529



48.2776, 0.3415, 0.2710



48.2776, 0.4203, 0.3954



48.2776, 0.2781, 0.3995

Rectangle

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



48.2776, 0.2140, 0.2529



48.2776, 0.2669, 0.2418



48.2776, 0.4203, 0.3954



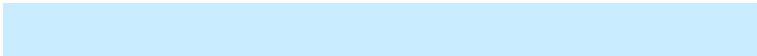
48.2776, 0.3520, 0.4334

Sweetspot

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



48.2793, 0.2140, 0.2529



80.4113, 0.2800, 0.3101



74.8001, 0.2827, 0.4909



16.7188, 0.2757, 0.3073



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.



48.2793, 0.2140, 0.2529



41.9628, 0.2018, 0.2346



19.8807, 0.1857, 0.1385



19.4070, 0.2980, 0.3209



19.1706, 0.1935, 0.2165



2.0672, 0.1975, 0.2309

Inverse Universe

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



30.5589, 0.3855, 0.2187



26.2922, 0.4063, 0.2108



74.2348, 0.4279, 0.4618



18.1919, 0.3189, 0.3132



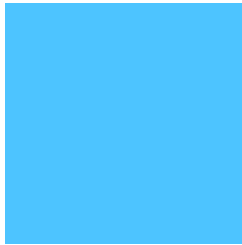
12.6633, 0.4270, 0.2126



1.2532, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 48.2776, 0.2140, 0.2529 looks on a white background.

Color Contrast Check

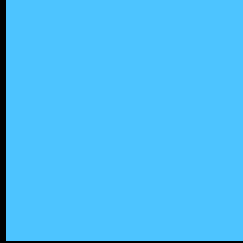
Large Text (above 18pt) WCAG AA × Fail

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 48.2776, 0.2140, 0.2529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

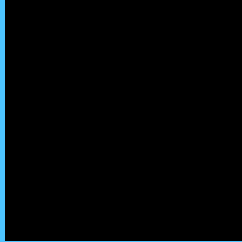
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

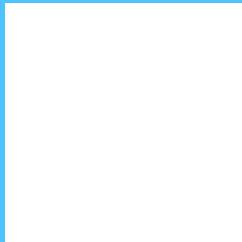
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2776, 0.2140, 0.2529

Background



This preview shows how black text looks on a background with the Yxy color 48.2776, 0.2140, 0.2529.

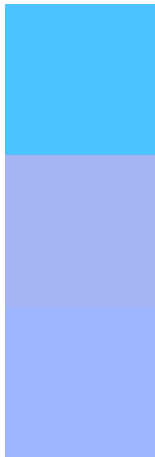


This preview shows how white text looks on a background with the Yxy color 48.2776, 0.2140, 0.2529.

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

48.2776, 0.2140, 0.2529

Protanopia

47.6864, 0.2577, 0.2530

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

48.5564, 0.2242, 0.3061

Trichromacy



Original Color

48.2776, 0.2140, 0.2529

Protanomaly

46.9635, 0.2373, 0.2514

Deuteranomaly

47.0049, 0.2314, 0.2436

Tritanomaly

48.1268, 0.2199, 0.2849

Monochromacy



Original Color

48.2776, 0.2140, 0.2529

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.0326, 0.2629, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2776, 0.2140, 0.2529 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 196, 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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.2776, 0.2140, 0.2529 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, 196, 255) }
```

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

```
.border{ border-color:rgb(77, 196, 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, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2776, 0.2140, 0.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 196, 255) }
```

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

```
.background{ background-color: rgb(77, 196,  
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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