

Converting Colors

$Yxy(48.2334, 0.2083, 0.2545)$

Have a look what the booklet for
Yxy(48.2334, 0.2083, 0.2545)
contains.

Yxy(48.2611, 0.2084, 0.2545)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.2611, 0.2084, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	31C6FF
RGB	49, 198, 255
RGB Percent	19%, 78%, 100%
CMY	0.8070, 0.2236, 0.0000
CMYK	0.81, 0.22, 0.00, 0.00
HSL	197°, 100%, 60%
HSV	197°, 81%, 100%
XYZ	39.5191, 48.2611, 101.8508
YIQ	159.9470, -107.1010, -13.8610

Conversions

Conversions Part 2

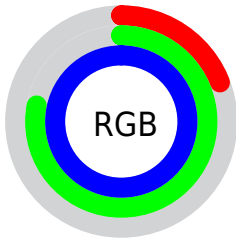
Format	Color
R _Y B	49, 135, 255
Decimal	3262207
CIE Lab	74.99, -19.01, -38.72
CIE LCh	75, 43.134, 243.853
Yxy	48.2611, 0.2084, 0.2545
Android (android.graphics.Color)	4281452287 (0xFF31C6FF)
YUV	159.9470, 46.8611, -97.3005
Hunter-Lab	69.4702, -20.0306, -38.2964

Details

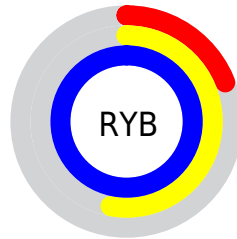
The Yxy color **48.2611, 0.2084, 0.2545** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.8367, 0.5500, 0.3728**, and the grayscale version is **34.9727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **24.0237, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **44.6400, 0.2024, 0.2440**, and if you desaturate by 10%, it is **52.3928, 0.2164, 0.2651**.

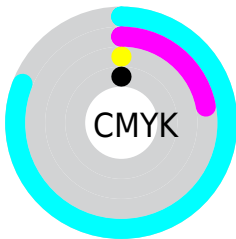
Distribution



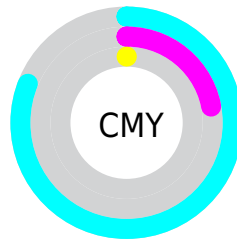
- Red (19%)
- Green (78%)
- Blue (100%)



- Red (19%)
- Yellow (53%)
- Blue (100%)



- Cyan (81%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2611, 0.2084, 0.2545 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 48.2611, 0.2084, 0.2545 by changing the saturation by 10% instead.


 48.2611, 0.2084,
0.2545


 48.2611, 0.2084,
0.2545


379.8261, 0.2574,
0.2916


 34.0337, 0.1973,
0.2456


 87.5930, 0.2254,
0.2678

 22.9195, 0.1837,
0.2343


 113.4663, 0.2320,
0.2729

 14.5341, 0.1669,
0.2199


 143.9904, 0.2377,
0.2772

 8.4930, 0.1455,
0.2009

 179.5497, 0.2427,
0.2809

 4.4120, 0.1182,
0.1750

220.5285, 0.2470,
0.2841

 1.9066, 0.0835,
0.1392

267.3112, 0.2509,

 0.5523, 0.0096,

0.2869

0.0872

320.2823, 0.2543,
0.2894

■ 0.0000, 0.0000,
0.0000

■ 48.2611, 0.2084,
0.2545

■ 48.2611, 0.2084,
0.2545

■ 44.6400, 0.2024,
0.2440

■ 52.3928, 0.2164,
0.2651

■ 41.6499, 0.1984,
0.2344

■ 57.0876, 0.2264,
0.2756

■ 62.3920, 0.2382,
0.2858

■ 68.3465, 0.2514,
0.2956

■ 74.9872, 0.2657,
0.3049

■ 82.3472, 0.2807,
0.3135

■ 90.4571, 0.2961,
0.3214

■ 99.3457, 0.3116,
0.3285

■ 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.



48.2611, 0.2108, 0.2956



48.2611, 0.2084, 0.2545



48.2611, 0.2300, 0.2367

Triad

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



48.2611, 0.2084, 0.2545



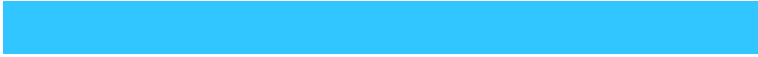
48.2611, 0.3902, 0.3004



48.2611, 0.3439, 0.4373

Complementary

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



48.2611, 0.2084, 0.2545



31.8367, 0.5500, 0.3728

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.



48.2611, 0.3963, 0.4263



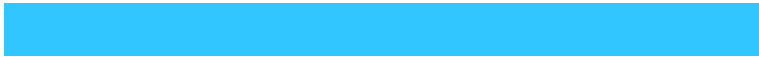
48.2611, 0.2084, 0.2545



48.2611, 0.4265, 0.3452

Square

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



48.2611, 0.2084, 0.2545



48.2611, 0.3322, 0.2635



48.2611, 0.4278, 0.3905



48.2611, 0.2858, 0.4107

Rectangle

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



48.2611, 0.2084, 0.2545



48.2611, 0.2568, 0.2371



48.2611, 0.4278, 0.3905



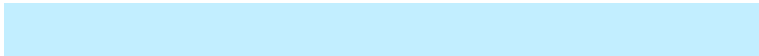
48.2611, 0.3628, 0.4375

Sweetspot

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



48.2619, 0.2084, 0.2545



79.8387, 0.2757, 0.3107



73.1794, 0.2868, 0.5307



16.5280, 0.2703, 0.3076



0.0000, 0.0000, 0.0000



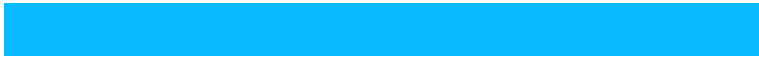
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2619, 0.2084, 0.2545



42.5886, 0.1997, 0.2375



16.4695, 0.1729, 0.1205



19.5805, 0.2980, 0.3223



22.0267, 0.1989, 0.2361



2.3283, 0.2022, 0.2480

Inverse Universe

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



27.5509, 0.3861, 0.2025



24.9916, 0.4047, 0.2013



66.1005, 0.4498, 0.4638



18.2095, 0.3181, 0.3120



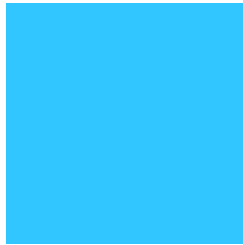
12.9516, 0.4063, 0.2012



1.2796, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 48.2611, 0.2084, 0.2545 looks on a white background.

Color Contrast Check

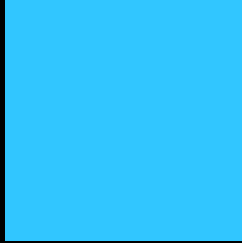
Large Text (above 18pt) WCAG AA × Fail

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 48.2611, 0.2084, 0.2545 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

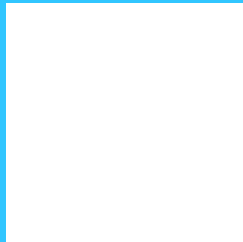
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2611, 0.2084, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 48.2611, 0.2084, 0.2545.



This preview shows how white text looks on a background with the Yxy color 48.2611, 0.2084, 0.2545.

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

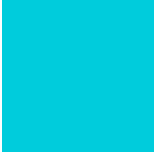
48.2611, 0.2084, 0.2545

Protanopia

47.5655, 0.2589, 0.2551

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

48.3530, 0.2183, 0.3059

Trichromacy



Original Color

48.2611, 0.2084, 0.2545



Protanomaly

46.5411, 0.2328, 0.2528



Deuteranomaly

46.6122, 0.2264, 0.2438



Tritanomaly

48.2528, 0.2137, 0.2858

Monochromacy



Original Color

48.2611, 0.2084, 0.2545



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.2053, 0.2553, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2611, 0.2084, 0.2545 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(49, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 198, 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(49, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.2611, 0.2084, 0.2545 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(49, 198, 255) }
```

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

```
.border{ border-color:rgb(49, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2611, 0.2084, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 198, 255) }
```

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

```
.background{ background-color: rgb(49, 198,  
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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