

Converting Colors

$Yxy(47.8832, 0.2084, 0.2533)$

Have a look what the booklet for
Yxy(47.8832, 0.2084, 0.2533)
contains.

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Color

Yxy(47.8563, 0.2084, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	33C5FF
RGB	51, 197, 255
RGB Percent	20%, 77%, 100%
CMY	0.7990, 0.2275, 0.0000
CMYK	0.80, 0.23, 0.00, 0.00
HSL	197°, 100%, 60%
HSV	197°, 80%, 100%
XYZ	39.3888, 47.8563, 101.7608
YIQ	159.9580, -105.6340, -12.9140

Conversions

Conversions Part 2

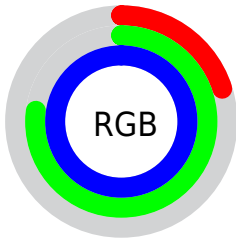
Format	Color
R _Y B	51, 136, 255
Decimal	3393023
CIE Lab	74.73, -18.32, -39.10
CIE LCh	75, 43.181, 244.897
Yxy	47.8563, 0.2084, 0.2532
Android (android.graphics.Color)	4281583103 (0xFF33C5FF)
YUV	159.9580, 46.8557, -95.5562
Hunter-Lab	69.1782, -19.4273, -38.7905

Details

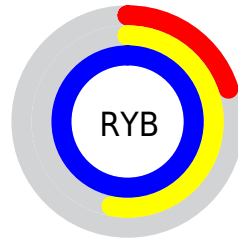
The Yxy color **47.8563, 0.2084, 0.2532** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.4900, 0.5456, 0.3745**, and the grayscale version is **34.9828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7707, 0.2476, 0.3277**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **44.1465, 0.2022, 0.2424**, and if you desaturate by 10%, it is **52.0912, 0.2167, 0.2641**.

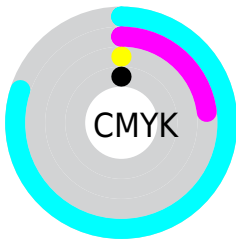
Distribution



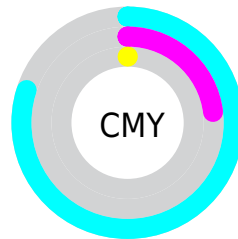
- Red (20%)
- Green (77%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8563, 0.2084, 0.2532 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 47.8563, 0.2084, 0.2532 by changing the saturation by 10% instead.


 47.8563, 0.2084,
0.2532


 47.8563, 0.2084,
0.2532


378.2223, 0.2575,
0.2909


 33.7131, 0.1973,
0.2441


 86.9904, 0.2254,
0.2667


 22.6733, 0.1837,
0.2327


 112.7501, 0.2320,
0.2719

 14.3524, 0.1667,
0.2181

 143.1508, 0.2378,
0.2762

 8.3662, 0.1453,
0.1988

 178.5768, 0.2427,
0.2800

 4.3302, 0.1179,
0.1727

219.4125, 0.2471,
0.2833

 1.8599, 0.0830,
0.1365

266.0424, 0.2510,

 0.5241, 0.0081,

0.2861

0.0834

318.8509, 0.2544,
0.2887

■ 0.0000, 0.0000,
0.0000

■ 47.8563, 0.2084,
0.2532

■ 47.8563, 0.2084,
0.2532

■ 44.1465, 0.2022,
0.2424

■ 52.0912, 0.2167,
0.2641

■ 40.8709, 0.1977,
0.2317

■ 56.9003, 0.2270,
0.2749

■ 40.8401, 0.1977,
0.2316

■ 62.3308, 0.2389,
0.2854

■ 68.4227, 0.2523,
0.2955

■ 75.2123, 0.2668,
0.3049

■ 82.7324, 0.2819,
0.3137

■ 91.0138, 0.2973,
0.3218

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



47.8563, 0.2099, 0.2937



47.8563, 0.2084, 0.2532



47.8563, 0.2309, 0.2362

Triad

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



47.8563, 0.2084, 0.2532



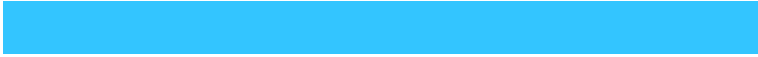
47.8563, 0.3923, 0.3018



47.8563, 0.3419, 0.4375

Complementary

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



47.8563, 0.2084, 0.2532



32.4900, 0.5456, 0.3745

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.



47.8563, 0.3950, 0.4276



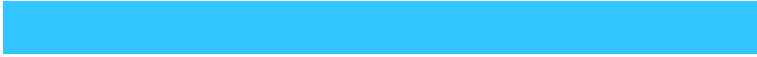
47.8563, 0.2084, 0.2532



47.8563, 0.4276, 0.3469

Square

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



47.8563, 0.2084, 0.2532



47.8563, 0.3344, 0.2643



47.8563, 0.4276, 0.3922



47.8563, 0.2837, 0.4095

Rectangle

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



47.8563, 0.2084, 0.2532



47.8563, 0.2583, 0.2371



47.8563, 0.4276, 0.3922



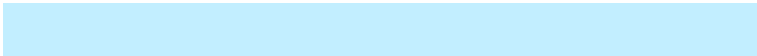
47.8563, 0.3610, 0.4381

Sweetspot

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



47.8580, 0.2084, 0.2532



79.5664, 0.2756, 0.3102



73.3284, 0.2855, 0.5248



16.4620, 0.2702, 0.3070



0.0000, 0.0000, 0.0000



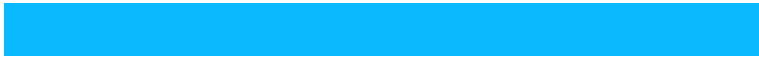
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8580, 0.2084, 0.2532



42.1142, 0.1993, 0.2358



16.1850, 0.1729, 0.1188



19.5561, 0.2980, 0.3221



21.6088, 0.1982, 0.2334



2.2904, 0.2016, 0.2456

Inverse Universe

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



27.6785, 0.3873, 0.2041



24.9974, 0.4064, 0.2026



68.0122, 0.4460, 0.4659



18.2070, 0.3182, 0.3121



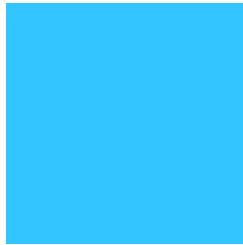
12.9094, 0.4091, 0.2027



1.2758, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 47.8563, 0.2084, 0.2532 looks on a white background.

Color Contrast Check

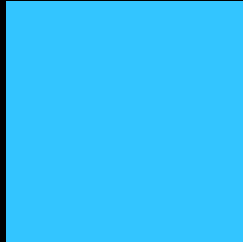
Large Text (above 18pt) WCAG AA × Fail

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 47.8563, 0.2084, 0.2532 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

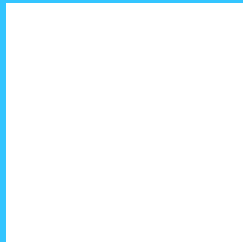
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8563, 0.2084, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 47.8563, 0.2084, 0.2532.



This preview shows how white text looks on a background with the Yxy color 47.8563, 0.2084, 0.2532.

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

47.8563, 0.2084, 0.2532

Protanopia

47.0527, 0.2581, 0.2537

Deuteranopia

47.3357, 0.2453, 0.2405



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



Original Color

47.8563, 0.2084, 0.2532



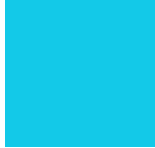
Protanomaly

46.1183, 0.2326, 0.2514



Deuteranomaly

46.6122, 0.2264, 0.2438



Tritanomaly

47.7379, 0.2137, 0.2856

Monochromacy



Original Color

47.8563, 0.2084, 0.2532



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.8203, 0.2551, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8563, 0.2084, 0.2532 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(51, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8563, 0.2084, 0.2532 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(51, 197, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8563, 0.2084, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 197, 255) }
```

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

```
.background{ background-color: rgb(51, 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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