

Converting Colors

$Yxy(45.4392, 0.2137, 0.2435)$

Have a look what the booklet for
Yxy(45.4392, 0.2137, 0.2435)
contains.

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Color

Yxy(45.5000, 0.2137, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	54BDFF
RGB	84, 189, 255
RGB Percent	33%, 74%, 100%
CMY	0.6710, 0.2588, 0.0000
CMYK	0.67, 0.26, 0.00, 0.00
HSL	203°, 100%, 66%
HSV	203°, 67%, 100%
XYZ	39.8989, 45.5000, 101.3061
YIQ	165.1290, -83.7660, -1.7340

Conversions

Conversions Part 2

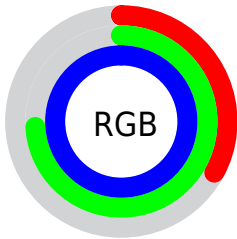
Format	Color
R _Y B	84, 149, 255
Decimal	5553663
CIE Lab	73.22, -10.19, -41.42
CIE LCh	73, 42.657, 256.179
Yxy	45.5000, 0.2137, 0.2437
Android (android.graphics.Color)	4283743743 (0xFF54BDFF)
YUV	165.1290, 44.3064, -71.1501
Hunter-Lab	67.4537, -12.4612, -41.8278

Details

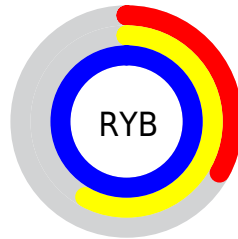
The Yxy color **45.5000, 0.2137, 0.2437** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **43.6733, 0.4824, 0.3922**, and the grayscale version is **37.4926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9144, 0.2539, 0.3175**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **40.4427, 0.2033, 0.2286**, and if you desaturate by 10%, it is **51.2721, 0.2260, 0.2587**.

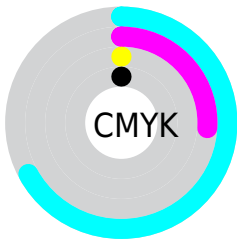
Distribution



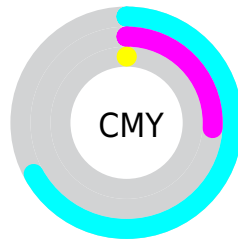
- Red (33%)
- Green (74%)
- Blue (100%)



- Red (33%)
- Yellow (58%)
- Blue (100%)



- Cyan (67%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5000, 0.2137, 0.2437 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 45.5000, 0.2137, 0.2437 by changing the saturation by 10% instead.


 45.5000, 0.2137,
0.2437

 45.5000, 0.2137,
0.2437


368.7948, 0.2609,
0.2856

 31.8514, 0.2029,
0.2337


 83.4702, 0.2302,
0.2586


 21.2481, 0.1895,
0.2213


 108.5606, 0.2366,
0.2643

 13.3054, 0.1729,
0.2055


 138.2338, 0.2420,
0.2692

 7.6392, 0.1516,
0.1849

 172.8742, 0.2468,
0.2734

 3.8650, 0.1241,
0.1574

212.8660, 0.2510,
0.2770

 1.5983, 0.0886,
0.1201

258.5938, 0.2547,

 0.3565, 0.0148,

0.2802

0.0586

310.4420, 0.2579,
0.2831

0.0000, 0.0000,
0.0000

45.5000, 0.2137,
0.2437

45.5000, 0.2137,
0.2437

40.4427, 0.2033,
0.2286

51.2721, 0.2260,
0.2587

36.0454, 0.1951,
0.2135

57.8061, 0.2398,
0.2731

32.2394, 0.1890,
0.1989

65.1441, 0.2546,
0.2868

31.2183, 0.1874,
0.1947

73.3245, 0.2702,
0.2996

82.3826, 0.2860,
0.3114

■ 92.3514, 0.3017,
0.3221

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.



45.5000, 0.2060, 0.2755



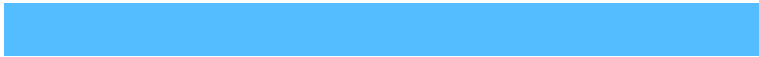
45.5000, 0.2137, 0.2437



45.5000, 0.2449, 0.2352

Triad

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



45.5000, 0.2137, 0.2437



45.5000, 0.4097, 0.3182



45.5000, 0.3198, 0.4321

Complementary

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



45.5000, 0.2137, 0.2437



43.6733, 0.4824, 0.3922

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.



45.5000, 0.3769, 0.4357



45.5000, 0.2137, 0.2437



45.5000, 0.4325, 0.3644

Square

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



45.5000, 0.2137, 0.2437



45.5000, 0.3577, 0.2769



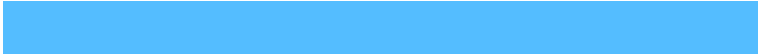
45.5000, 0.4191, 0.4077



45.5000, 0.2636, 0.3904

Rectangle

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



45.5000, 0.2137, 0.2437



45.5000, 0.2773, 0.2412



45.5000, 0.4191, 0.4077



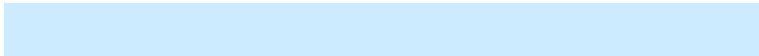
45.5000, 0.3395, 0.4377

Sweetspot

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



45.5001, 0.2137, 0.2437



79.6641, 0.2814, 0.3081



75.5853, 0.2781, 0.4686



16.5028, 0.2769, 0.3048



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.



45.5001, 0.2137, 0.2437



38.6529, 0.1998, 0.2227



18.9715, 0.1869, 0.1332



19.2359, 0.2979, 0.3196



16.6104, 0.1881, 0.1971



1.8292, 0.1927, 0.2137

Inverse Universe

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



31.2587, 0.3934, 0.2295



26.5195, 0.4180, 0.2213



81.3366, 0.4167, 0.4671



18.1747, 0.3198, 0.3145



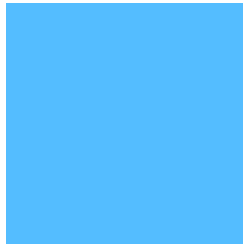
12.4048, 0.4486, 0.2245



1.2292, 0.4300, 0.2142

Previews

White Background



This preview shows how the Yxy color 45.5000, 0.2137, 0.2437 looks on a white background.

Color Contrast Check

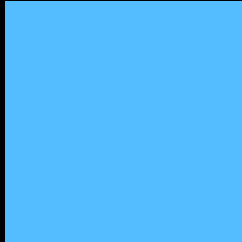
Large Text (above 18pt) WCAG AA × Fail

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 45.5000, 0.2137, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

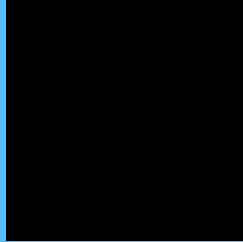
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

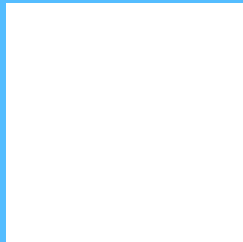
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5000, 0.2137, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 45.5000, 0.2137, 0.2437.

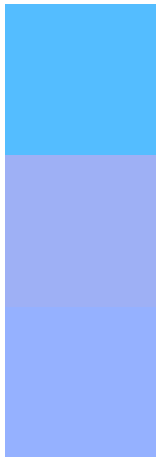


This preview shows how white text looks on a background with the Yxy color 45.5000, 0.2137, 0.2437.

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

45.5000, 0.2137, 0.2437

Protanopia

44.9123, 0.2511, 0.2446

Deuteranopia

45.0538, 0.2403, 0.2345



Tritanopia

45.6361, 0.2258, 0.3056

Trichromacy



Original Color

45.5000, 0.2137, 0.2437

Protanomaly

44.7126, 0.2340, 0.2434

Deuteranomaly

44.6277, 0.2281, 0.2366

Tritanomaly

45.3783, 0.2208, 0.2814

Monochromacy



Original Color

45.5000, 0.2137, 0.2437

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.5836, 0.2643, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5000, 0.2137, 0.2437 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(84, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 189, 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(84, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.5000, 0.2137, 0.2437 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(84, 189, 255) }
```

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

```
.border{ border-color:rgb(84, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5000, 0.2137, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 189, 255) }
```

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

```
.background{ background-color: rgb(84, 189,  
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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