

Converting Colors

$Y_{xy}(41.7401, 0.2088, 0.2319)$

Have a look what the booklet for
Yxy(41.7401, 0.2088, 0.2319)
contains.

Yxy(41.8455, 0.2089, 0.2322)	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(41.8455, 0.2089, 0.2322)

Conversions

Conversions Part 1

Format	Color
Hex	4DB5FF
RGB	77, 181, 255
RGB Percent	30%, 71%, 100%
CMY	0.6974, 0.2903, 0.0000
CMYK	0.70, 0.29, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 70%, 100%
XYZ	37.6465, 41.8455, 100.7211
YIQ	158.3400, -85.7380, 0.9660

Conversions

Conversions Part 2

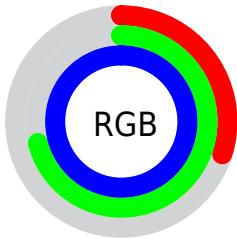
Format	Color
R _Y B	77, 143, 255
Decimal	5092863
CIE Lab	70.76, -6.79, -45.28
CIE LCh	71, 45.785, 261.475
Yxy	41.8455, 0.2089, 0.2322
Android (android.graphics.Color)	4283282943 (0xFF4DB5FF)
YUV	158.3400, 47.6534, -71.3352
Hunter-Lab	64.6881, -9.3225, -47.0345

Details

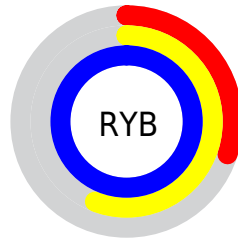
The Yxy color **41.8455, 0.2089, 0.2322** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **43.9887, 0.4863, 0.3985**, and the grayscale version is **34.1810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7177, 0.2501, 0.3081**, and **19.5156, 0.1912, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **36.8294, 0.1986, 0.2158**, and if you desaturate by 10%, it is **47.6057, 0.2212, 0.2485**.

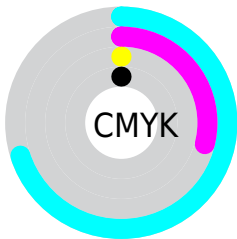
Distribution



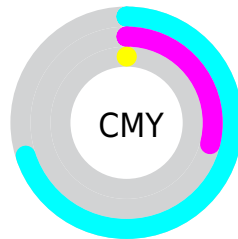
- Red (30%)
- Green (71%)
- Blue (100%)



- Red (30%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8455, 0.2089, 0.2322 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 41.8455, 0.2089, 0.2322 by changing the saturation by 10% instead.

41.8455, 0.2089,
0.2322

41.8455, 0.2089,
0.2322

353.8421, 0.2588,
0.2797

28.9803, 0.1974,
0.2210

77.9657, 0.2264,
0.2491

19.0659, 0.1832,
0.2070

101.9896, 0.2332,
0.2555

11.7179, 0.1654,
0.1894

130.5018, 0.2390,
0.2610

6.5519, 0.1429,
0.1666

163.8868, 0.2440,
0.2658

3.1835, 0.1139,
0.1366

202.5289, 0.2484,
0.2700

1.2283, 0.0772,
0.0975

246.8126, 0.2523,

0.0846, 0.0000,

0.2736

0.0150

297.1222, 0.2557,
0.2768

0.0000, 0.0000,
0.0000

41.8455, 0.2089,
0.2322

41.8455, 0.2089,
0.2322

36.8294, 0.1986,
0.2158

47.6057, 0.2212,
0.2485

32.4990, 0.1905,
0.1997

54.1610, 0.2351,
0.2644

28.7646, 0.1845,
0.1841

61.5560, 0.2500,
0.2795

28.6733, 0.1844,
0.1837

69.8313, 0.2657,
0.2937

79.0244, 0.2817,
0.3067

■ 89.1701, 0.2976,
0.3186

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.



41.8455, 0.1960, 0.2616



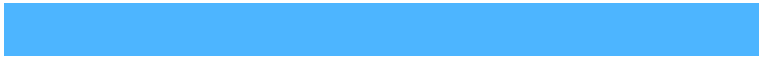
41.8455, 0.2089, 0.2322



41.8455, 0.2468, 0.2276

Triad

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



41.8455, 0.2089, 0.2322



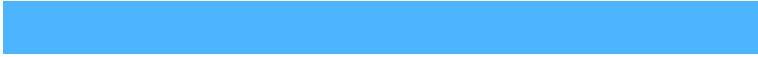
41.8455, 0.4271, 0.3251



41.8455, 0.3082, 0.4386

Complementary

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



41.8455, 0.2089, 0.2322



43.9887, 0.4863, 0.3985

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.



41.8455, 0.3720, 0.4491



41.8455, 0.2089, 0.2322



41.8455, 0.4448, 0.3754

Square

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



41.8455, 0.2089, 0.2322



41.8455, 0.3738, 0.2791



41.8455, 0.4229, 0.4215



41.8455, 0.2489, 0.3857

Rectangle

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



41.8455, 0.2089, 0.2322



41.8455, 0.2843, 0.2368



41.8455, 0.4229, 0.4215



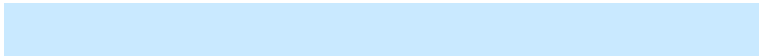
41.8455, 0.3298, 0.4472

Sweetspot

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



41.8453, 0.2089, 0.2322



77.8151, 0.2797, 0.3052



75.2520, 0.2766, 0.4709



16.0993, 0.2753, 0.3016



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.



41.8453, 0.2089, 0.2322



34.9050, 0.1949, 0.2089



16.9790, 0.1817, 0.1224



19.1399, 0.2979, 0.3189



15.2841, 0.1851, 0.1863



1.7040, 0.1900, 0.2041

Inverse Universe

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



29.9258, 0.4053, 0.2322



25.5797, 0.4333, 0.2267



82.4917, 0.4178, 0.4726



18.1650, 0.3202, 0.3152



12.2709, 0.4611, 0.2314



1.2166, 0.4407, 0.2201

Previews

White Background



This preview shows how the Yxy color 41.8455, 0.2089, 0.2322 looks on a white background.

Color Contrast Check

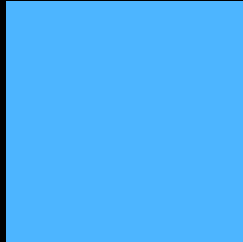
Large Text (above 18pt) WCAG AA × Fail

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 41.8455, 0.2089, 0.2322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

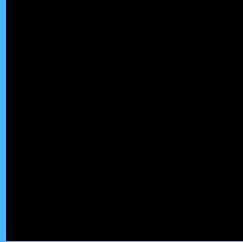
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

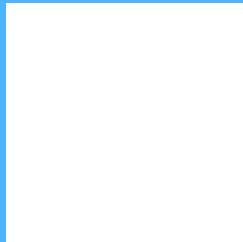
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8455, 0.2089, 0.2322

Background



This preview shows how black text looks on a background with the Yxy color 41.8455, 0.2089, 0.2322.



This preview shows how white text looks on a background with the Yxy color 41.8455, 0.2089, 0.2322.

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

41.8455, 0.2089, 0.2322

Protanopia

41.3257, 0.2428, 0.2331

Deuteranopia

41.4967, 0.2310, 0.2249



Tritanopia

41.7343, 0.2221, 0.3046

Trichromacy



Original Color

41.8455, 0.2089, 0.2322

Protanomaly

40.8643, 0.2272, 0.2317

Deuteranomaly

41.4574, 0.2212, 0.2275

Tritanomaly

41.7067, 0.2164, 0.2757

Monochromacy



Original Color

41.8455, 0.2089, 0.2322

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.7898, 0.2611, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8455, 0.2089, 0.2322 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, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 181, 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, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8455, 0.2089, 0.2322 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, 181, 255) }
```

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

```
.border{ border-color:rgb(77, 181, 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, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8455, 0.2089, 0.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 181, 255) }
```

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

```
.background{ background-color: rgb(77, 181,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor