

Converting Colors

$Yxy(42.5837, 0.2046, 0.2294)$

Have a look what the booklet for
Yxy(42.5837, 0.2046, 0.2294)
contains.

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Color

Yxy(42.2108, 0.2063, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	41B7FF
RGB	65, 183, 255
RGB Percent	25%, 72%, 100%
CMY	0.7446, 0.2824, 0.0001
CMYK	0.74, 0.28, 0.00, 0.00
HSL	203°, 100%, 63%
HSV	203°, 74%, 100%
XYZ	37.1664, 42.2108, 100.7799
YIQ	155.9260, -93.4400, -2.6240

Conversions

Conversions Part 2

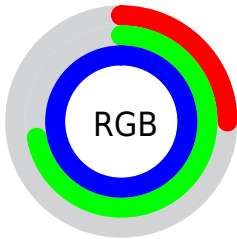
Format	Color
R _{YB}	65, 138, 255
Decimal	4306943
CIE _{Lab}	71.02, -9.44, -44.88
CIE _{LCh}	71, 45.865, 258.122
Y _{xy}	42.2108, 0.2063, 0.2343
Android (android.graphics.Color)	4282497023 (0xFF41B7FF)
Y _{UV}	155.9260, 48.8435, -79.7421
Hunter-Lab	64.9698, -11.5852, -46.4905

Details

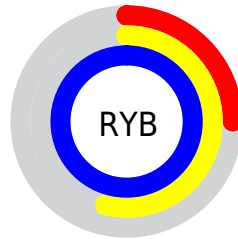
The Yxy color **42.2108, 0.2063, 0.2343** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **39.5623, 0.5081, 0.3930**, and the grayscale version is **33.0358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1872, 0.2471, 0.3103**, and **20.0425, 0.1922, 0.2120** is the 20% darker color. If you saturate the color by 10%, you get **37.6757, 0.1976, 0.2195**, and if you desaturate by 10%, it is **47.4153, 0.2171, 0.2492**.

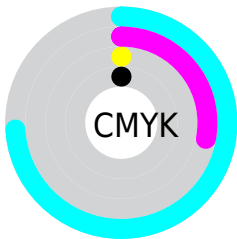
Distribution



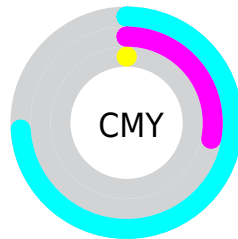
- Red (25%)
- Green (72%)
- Blue (100%)



- Red (25%)
- Yellow (54%)
- Blue (100%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2108, 0.2063, 0.2343 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 42.2108, 0.2063, 0.2343 by changing the saturation by 10% instead.

■ 42.2108, 0.2063,
0.2343

■ 42.2108, 0.2063,
0.2343

■ 355.3560, 0.2573,
0.2810

■ 29.2664, 0.1946,
0.2232

■ 78.5186, 0.2241,
0.2509

■ 19.2824, 0.1802,
0.2094

■ 102.6507, 0.2310,
0.2573

■ 11.8745, 0.1622,
0.1919

■ 131.2809, 0.2370,
0.2627

■ 6.6583, 0.1394,
0.1693

■ 164.7935, 0.2421,
0.2673

■ 3.2493, 0.1104,
0.1394

■ 203.5729, 0.2466,
0.2714

■ 1.2633, 0.0739,
0.1002

■ 248.0035, 0.2506,

■ 0.1125, 0.0000,

0.2750

0.0198

298.4698, 0.2541,
0.2782

■ 0.0000, 0.0000,
0.0000

■ 42.2108, 0.2063,
0.2343

■ 42.2108, 0.2063,
0.2343

■ 37.6757, 0.1976,
0.2195

■ 47.4153, 0.2171,
0.2492

■ 33.7427, 0.1910,
0.2050

■ 53.3370, 0.2297,
0.2637

■ 31.7762, 0.1881,
0.1971

■ 60.0227, 0.2438,
0.2777

■ 67.5131, 0.2588,
0.2910

■ 75.8454, 0.2744,
0.3033

■ 85.0541, 0.2902,
0.3146

■ 95.1714, 0.3058,
0.3248

■ 99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



42.2108, 0.1963, 0.2666



42.2108, 0.2063, 0.2343



42.2108, 0.2414, 0.2271

Triad

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



42.2108, 0.2063, 0.2343



42.2108, 0.4225, 0.3196



42.2108, 0.3154, 0.4419

Complementary

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



42.2108, 0.2063, 0.2343



39.5623, 0.5081, 0.3930

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.



42.2108, 0.3786, 0.4474



42.2108, 0.2063, 0.2343



42.2108, 0.4447, 0.3698

Square

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



42.2108, 0.2063, 0.2343



42.2108, 0.3664, 0.2746



42.2108, 0.4269, 0.4169



42.2108, 0.2549, 0.3930

Rectangle

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



42.2108, 0.2063, 0.2343



42.2108, 0.2775, 0.2347



42.2108, 0.4269, 0.4169



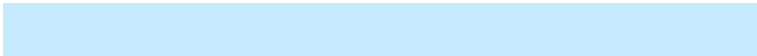
42.2108, 0.3371, 0.4488

Sweetspot

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



42.2122, 0.2063, 0.2343



78.0400, 0.2782, 0.3062



74.3782, 0.2790, 0.4905



16.1893, 0.2740, 0.3030



0.0000, 0.0000, 0.0000



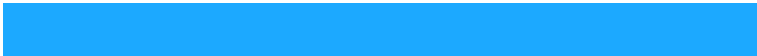
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2122, 0.2063, 0.2343



35.8250, 0.1943, 0.2128



15.7335, 0.1759, 0.1157



19.2564, 0.2979, 0.3198



16.9035, 0.1887, 0.1994



1.8567, 0.1933, 0.2158

Inverse Universe

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



28.4702, 0.4046, 0.2229



24.9556, 0.4300, 0.2198



78.0482, 0.4271, 0.4735



18.1767, 0.3197, 0.3143



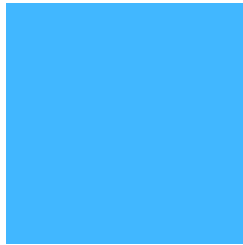
12.4344, 0.4459, 0.2230



1.2320, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 42.2108, 0.2063, 0.2343 looks on a white background.

Color Contrast Check

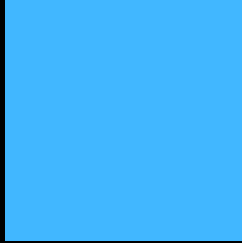
Large Text (above 18pt) WCAG AA × Fail

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 42.2108, 0.2063, 0.2343 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

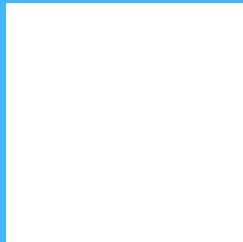
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2108, 0.2063, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 42.2108, 0.2063, 0.2343.



This preview shows how white text looks on a background with the Yxy color 42.2108, 0.2063, 0.2343.

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

42.2108, 0.2063, 0.2343

Protanopia

41.6707, 0.2447, 0.2366

Deuteranopia

41.9593, 0.2317, 0.2264



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.2108, 0.2063, 0.2343

Protanomaly

41.3592, 0.2267, 0.2351

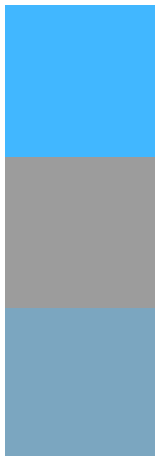
Deuteranomaly

41.5857, 0.2197, 0.2283

Tritanomaly

41.9712, 0.2122, 0.2781

Monochromacy



Original Color

42.2108, 0.2063, 0.2343

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.2892, 0.2575, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2108, 0.2063, 0.2343 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(65, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 183, 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(65, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.2108, 0.2063, 0.2343 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(65, 183, 255) }
```

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

```
.border{ border-color:rgb(65, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2108, 0.2063, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 183, 255) }
```

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

```
.background{ background-color: rgb(65, 183,  
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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