

Converting Colors

$Y_{xy}(42.5250, 0.2116, 0.2438)$

Have a look what the booklet for
Yxy(42.5250, 0.2116, 0.2438)
contains.

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Color

Yxy(42.5141, 0.2115, 0.2436)

Conversions

Conversions Part 1

Format	Color
Hex	4AB8F8
RGB	74, 184, 248
RGB Percent	29%, 72%, 97%
CMY	0.7098, 0.2784, 0.0273
CMYK	0.70, 0.26, 0.00, 0.03
HSL	202°, 93%, 63%
HSV	202°, 70%, 97%
XYZ	36.9119, 42.5141, 95.0982
YIQ	158.4060, -86.1040, -3.4160

Conversions

Conversions Part 2

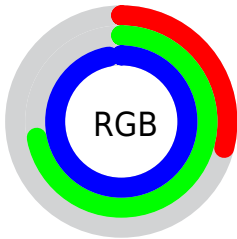
Format	Color
R _Y B	74, 141, 248
Decimal	4897016
CIE Lab	71.22, -11.17, -40.79
CIE LCh	71, 42.293, 254.682
Yxy	42.5141, 0.2115, 0.2436
Android (android.graphics.Color)	4283087096 (0xFF4AB8F8)
YUV	158.4060, 44.1698, -74.0241
Hunter-Lab	65.2028, -13.0546, -40.8324

Details

The Yxy color **42.5141, 0.2115, 0.2436** 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 **38.6470, 0.4952, 0.3902**, and the grayscale version is **34.2120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2029, 0.2494, 0.3116**, and **19.9942, 0.1952, 0.2228** is the 20% darker color. If you saturate the color by 10%, you get **38.0471, 0.2020, 0.2292**, and if you desaturate by 10%, it is **47.6165, 0.2230, 0.2579**.

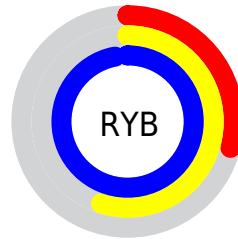
Distribution



Red (29%)

Green (72%)

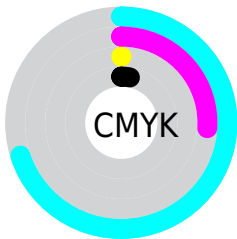
Blue (97%)



Red (29%)

Yellow (55%)

Blue (97%)

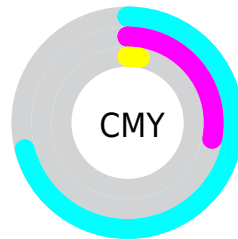


Cyan (70%)

Magenta (26%)

Yellow (0%)

Black (3%)



Cyan (71%)

Magenta (28%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5141, 0.2115, 0.2436 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 42.5141, 0.2115, 0.2436 by changing the saturation by 10% instead.

■ 42.5141, 0.2115,
0.2436

■ 42.5141, 0.2115,
0.2436

356.6097, 0.2602,
0.2861

■ 29.5041, 0.2002,
0.2334

■ 78.9771, 0.2286,
0.2588

■ 19.4625, 0.1863,
0.2205

■ 103.1989, 0.2352,
0.2646

■ 12.0049, 0.1687,
0.2040

■ 131.9266, 0.2409,
0.2696

■ 6.7470, 0.1463,
0.1823

■ 165.5448, 0.2458,
0.2738

■ 3.3044, 0.1172,
0.1532

204.4378, 0.2501,
0.2775

■ 1.2926, 0.0799,
0.1135

248.9900, 0.2538,

■ 0.1355, 0.0000,

0.2807

0.0276

299.5859, 0.2572,
0.2836

■ 0.0000, 0.0000,
0.0000

■ 42.5141, 0.2115,
0.2436

■ 42.5141, 0.2115,
0.2436

■ 38.0471, 0.2020,
0.2292

■ 47.6165, 0.2230,
0.2579

■ 34.1580, 0.1946,
0.2150

■ 53.3951, 0.2361,
0.2718

■ 30.8150, 0.1893,
0.2014

■ 59.8912, 0.2504,
0.2850

■ 67.1411, 0.2656,
0.2974

■ 75.1780, 0.2812,
0.3089

■ 84.0326, 0.2969,
0.3194

■ 93.7340, 0.3125,
0.3289

■ 99.5597, 0.3167,
0.3357

Harmonies

Analogous

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



42.5141, 0.2050, 0.2769



42.5141, 0.2115, 0.2436



42.5141, 0.2419, 0.2339

Triad

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



42.5141, 0.2115, 0.2436



42.5141, 0.4090, 0.3157



42.5141, 0.3228, 0.4348

Complementary

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



42.5141, 0.2115, 0.2436



38.6470, 0.4952, 0.3902

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.



42.5141, 0.3803, 0.4364



42.5141, 0.2115, 0.2436



42.5141, 0.4339, 0.3624

Square

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



42.5141, 0.2115, 0.2436



42.5141, 0.3552, 0.2744



42.5141, 0.4220, 0.4066



42.5141, 0.2654, 0.3941

Rectangle

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



42.5141, 0.2115, 0.2436



42.5141, 0.2741, 0.2394



42.5141, 0.4220, 0.4066



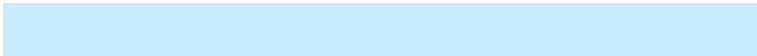
42.5141, 0.3427, 0.4397

Sweetspot

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



42.5156, 0.2115, 0.2436



79.2857, 0.2799, 0.3080



70.4442, 0.2791, 0.4798



16.4499, 0.2755, 0.3049



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.



42.5156, 0.2115, 0.2436



38.8087, 0.1988, 0.2235



16.8231, 0.1827, 0.1277



18.4719, 0.2980, 0.3201



16.9176, 0.1899, 0.2036



1.7692, 0.1945, 0.2202

Inverse Universe

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



28.3218, 0.3944, 0.2242



25.9738, 0.4177, 0.2175



74.2186, 0.4221, 0.4687



17.4099, 0.3195, 0.3141



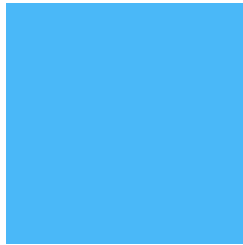
12.1187, 0.4413, 0.2204



1.1428, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 42.5141, 0.2115, 0.2436 looks on a white background.

Color Contrast Check

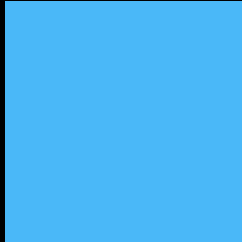
Large Text (above 18pt) WCAG AA × Fail

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 42.5141, 0.2115, 0.2436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

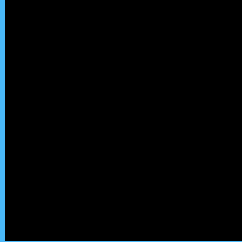
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

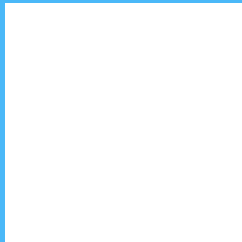
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5141, 0.2115, 0.2436

Background



This preview shows how black text looks on a background with the Yxy color 42.5141, 0.2115, 0.2436.

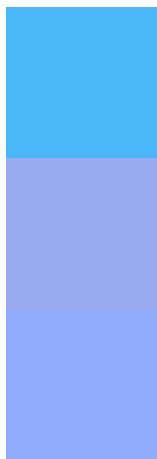


This preview shows how white text looks on a background with the Yxy color 42.5141, 0.2115, 0.2436.

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

42.5141, 0.2115, 0.2436

Protanopia

42.0712, 0.2509, 0.2447

Deuteranopia

42.2209, 0.2371, 0.2311



Tritanopia

42.7397, 0.2233, 0.3063

Trichromacy



Original Color

42.5141, 0.2115, 0.2436

Protanomaly

41.7466, 0.2323, 0.2433

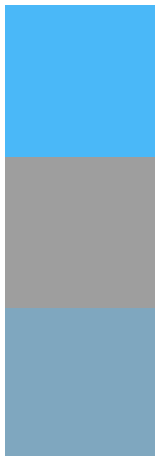
Deuteranomaly

41.7347, 0.2251, 0.2342

Tritanomaly

42.4813, 0.2183, 0.2813

Monochromacy



Original Color

42.5141, 0.2115, 0.2436

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.9110, 0.2612, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5141, 0.2115, 0.2436 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(74, 184, 248)` looks like.

```
.text, #text, p{  
    color:rgb(74, 184, 248)  
}
```

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(74, 184, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 184, 248) }
```

Border

The CSS property to change the border of an element to Yxy 42.5141, 0.2115, 0.2436 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(74, 184, 248) }
```

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

```
.border{ border-color:rgb(74, 184, 248) }
```

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

Here you see how a box with a 4 pixel rgb(74, 184, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 184, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 184, 248);  
box-shadow:4px 4px 4px 4px rgb(74, 184,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5141, 0.2115, 0.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 184, 248) }
```

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

```
.background{ background-color: rgb(74, 184,  
248) }
```

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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