

Converting Colors

$Y_{xy}(42.7929, 0.2085, 0.2465)$

Have a look what the booklet for
Yxy(42.7929, 0.2085, 0.2465)
contains.

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Color

Yxy(42.7630, 0.2087, 0.2468)

Conversions

Conversions Part 1

Format	Color
Hex	3BBAF7
RGB	59, 186, 247
RGB Percent	23%, 73%, 97%
CMY	0.7677, 0.2706, 0.0314
CMYK	0.76, 0.25, 0.00, 0.03
HSL	199°, 92%, 60%
HSV	199°, 76%, 97%
XYZ	36.1614, 42.7630, 94.3454
YIQ	154.9810, -95.2730, -7.9530

Conversions

Conversions Part 2

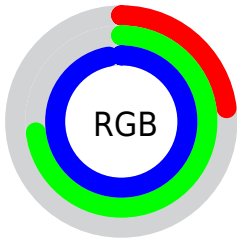
Format	Color
R _Y B	59, 135, 247
Decimal	3914487
CIE Lab	71.39, -14.39, -39.99
CIE LCh	71, 42.503, 250.205
Yxy	42.7630, 0.2087, 0.2468
Android (android.graphics.Color)	4282104567 (0xFF3BBAF7)
YUV	154.9810, 45.3654, -84.1753
Hunter-Lab	65.3934, -15.7311, -39.7644

Details

The Yxy color **42.7630, 0.2087, 0.2468** 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 **33.5892, 0.5232, 0.3829**, and the grayscale version is **32.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5496, 0.2457, 0.3138**, and **20.4928, 0.1967, 0.2279** is the 20% darker color. If you saturate the color by 10%, you get **38.8891, 0.2011, 0.2343**, and if you desaturate by 10%, it is **47.1869, 0.2184, 0.2594**.

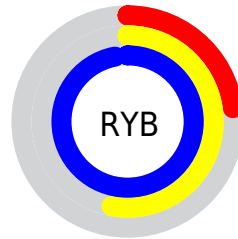
Distribution



Red (23%)

Green (73%)

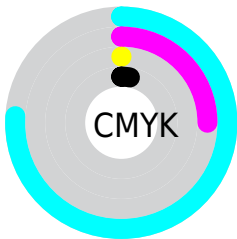
Blue (97%)



Red (23%)

Yellow (53%)

Blue (97%)

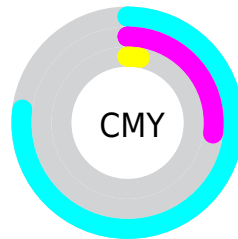


Cyan (76%)

Magenta (25%)

Yellow (0%)

Black (3%)



Cyan (77%)

Magenta (27%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7630, 0.2087, 0.2468 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 42.7630, 0.2087, 0.2468 by changing the saturation by 10% instead.

■ 42.7630, 0.2087,
0.2468

■ 42.7630, 0.2087,
0.2468

■ 357.6362, 0.2586,
0.2880

■ 29.6992, 0.1972,
0.2368

■ 79.3531, 0.2262,
0.2616

■ 19.6104, 0.1830,
0.2242

■ 103.6482, 0.2329,
0.2673

■ 12.1122, 0.1651,
0.2080

■ 132.4558, 0.2387,
0.2720

■ 6.8201, 0.1424,
0.1865

■ 166.1604, 0.2438,
0.2761

■ 3.3499, 0.1131,
0.1575

■ 205.1464, 0.2482,
0.2797

■ 1.3170, 0.0757,
0.1176

■ 249.7980, 0.2521,

■ 0.1543, 0.0000,

0.2828

0.0320

300.4999, 0.2555,
0.2856

0.0000, 0.0000,
0.0000

42.7630, 0.2087,
0.2468

42.7630, 0.2087,
0.2468

38.8891, 0.2011,
0.2343

47.1869, 0.2184,
0.2594

35.5027, 0.1955,
0.2219

52.2039, 0.2300,
0.2717

34.2548, 0.1936,
0.2171

57.8564, 0.2431,
0.2836

64.1808, 0.2573,
0.2949

71.2102, 0.2724,
0.3055

■ 78.9753, 0.2878,
0.3152

■ 87.5045, 0.3034,
0.3241

■ 96.4725, 0.3176,
0.3321

■ 99.4956, 0.3173,
0.3367

Harmonies

Analogous

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



42.7630, 0.2058, 0.2838



42.7630, 0.2087, 0.2468



42.7630, 0.2357, 0.2337

Triad

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



42.7630, 0.2087, 0.2468



42.7630, 0.4027, 0.3089



42.7630, 0.3318, 0.4379

Complementary

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



42.7630, 0.2087, 0.2468



33.5892, 0.5232, 0.3829

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.



42.7630, 0.3881, 0.4338



42.7630, 0.2087, 0.2468



42.7630, 0.4329, 0.3554

Square

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



42.7630, 0.2087, 0.2468



42.7630, 0.3460, 0.2690



42.7630, 0.4263, 0.4008



42.7630, 0.2732, 0.4025

Rectangle

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



42.7630, 0.2087, 0.2468



42.7630, 0.2660, 0.2372



42.7630, 0.4263, 0.4008



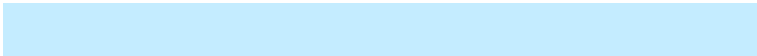
42.7630, 0.3516, 0.4408

Sweetspot

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



42.7645, 0.2087, 0.2468



78.9590, 0.2769, 0.3085



68.7854, 0.2827, 0.5066



16.2777, 0.2714, 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.



42.7645, 0.2087, 0.2468



39.8781, 0.1979, 0.2279



15.5992, 0.1764, 0.1219



17.7969, 0.2980, 0.3211



18.3851, 0.1942, 0.2191



1.8022, 0.1985, 0.2345

Inverse Universe

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



26.4724, 0.3927, 0.2131



25.1493, 0.4142, 0.2094



67.4708, 0.4358, 0.4679



16.6713, 0.3188, 0.3132



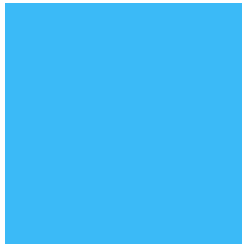
11.9554, 0.4242, 0.2110



1.0696, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 42.7630, 0.2087, 0.2468 looks on a white background.

Color Contrast Check

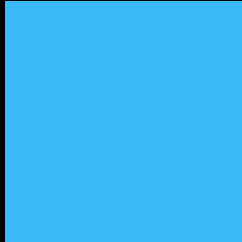
Large Text (above 18pt) WCAG AA × Fail

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 42.7630, 0.2087, 0.2468 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

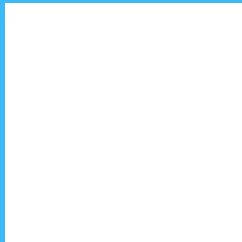
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7630, 0.2087, 0.2468

Background



This preview shows how black text looks on a background with the Yxy color 42.7630, 0.2087, 0.2468.



This preview shows how white text looks on a background with the Yxy color 42.7630, 0.2087, 0.2468.

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

42.7630, 0.2087, 0.2468

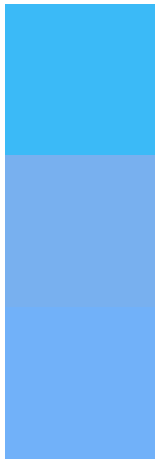
Protanopia

42.0925, 0.2540, 0.2482

Deuteranopia

42.2468, 0.2382, 0.2323

Trichromacy



Original Color

42.7630, 0.2087, 0.2468

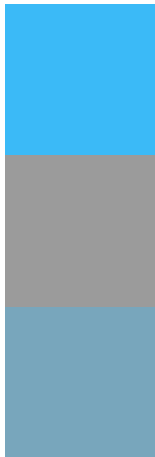
Protanomaly

41.2757, 0.2317, 0.2461

Deuteranomaly

41.7945, 0.2239, 0.2361

Monochromacy



Original Color

42.7630, 0.2087, 0.2468

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.8963, 0.2580, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7630, 0.2087, 0.2468 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(59, 186, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 186, 247)  
}
```

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(59, 186, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 186, 247) }
```

Border

The CSS property to change the border of an element to Yxy 42.7630, 0.2087, 0.2468 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(59, 186, 247) }
```

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

```
.border{ border-color:rgb(59, 186, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 186, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 186, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 186, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 186,  
247) }
```

Background

The CSS property to change the background color of an element to Yxy 42.7630, 0.2087, 0.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 186, 247) }
```

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

```
.background{ background-color: rgb(59, 186,  
247) }
```

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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