

Converting Colors

$Y_{xy}(52.5472, 0.2419, 0.2813)$

Have a look what the booklet for
Yxy(52.5472, 0.2419, 0.2813)
contains.

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Color

Yxy(52.5173, 0.2416, 0.2806)

Conversions

Conversions Part 1

Format	Color
Hex	7FC9EF
RGB	127, 201, 239
RGB Percent	50%, 79%, 94%
CMY	0.5020, 0.2117, 0.0627
CMYK	0.47, 0.16, 0.00, 0.06
HSL	200°, 78%, 72%
HSV	200°, 47%, 94%
XYZ	45.2180, 52.5173, 89.4254
YIQ	183.2060, -56.3020, -3.8700

Conversions

Conversions Part 2

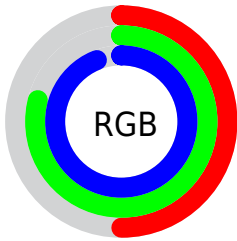
Format	Color
RYB	127, 172, 239
Decimal	8374767
CIELab	77.59, -13.08, -25.94
CIELCh	78, 29.046, 243.246
Yxy	52.5173, 0.2416, 0.2806
Android (android.graphics.Color)	4286564847 (0xFF7FC9EF)
YUV	183.2060, 27.5064, -49.2927
Hunter-Lab	72.4688, -15.4426, -22.4348

Details

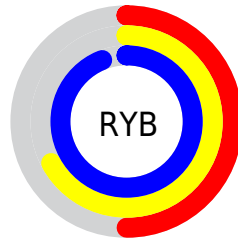
The Yxy color **52.5173, 0.2416, 0.2806** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.7921, 0.4197, 0.3714**, and the grayscale version is **47.3412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **25.5153, 0.2238, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **47.2153, 0.2284, 0.2681**, and if you desaturate by 10%, it is **58.4581, 0.2559, 0.2925**.

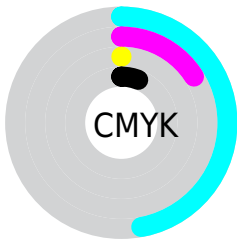
Distribution



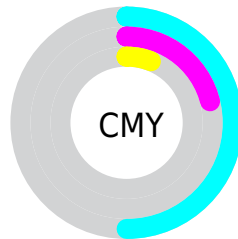
- Red (50%)
- Green (79%)
- Blue (94%)



- Red (50%)
- Yellow (67%)
- Blue (94%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5173, 0.2416, 0.2806 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 52.5173, 0.2416, 0.2806 by changing the saturation by 10% instead.

■ 52.5173, 0.2416,
0.2806

■ 52.5173, 0.2416,
0.2806

■ 396.4304, 0.2754,
0.3046

■ 37.4176, 0.2337,
0.2748

■ 93.8937, 0.2535,
0.2892

■ 25.5310, 0.2240,
0.2674

■ 120.9392, 0.2580,
0.2925

■ 16.4731, 0.2116,
0.2578

■ 152.7353, 0.2620,
0.2953

■ 9.8595, 0.1953,
0.2448

■ 189.6666, 0.2654,
0.2977

■ 5.3059, 0.1734,
0.2265

■ 232.1173, 0.2683,
0.2997

■ 2.4279, 0.1425,
0.1992

■ 280.4719, 0.2710,

■ 0.8402, 0.0897,

0.3015

0.1573

335.1149, 0.2733,
0.3032

0.0000, 0.0000,
0.0000

52.5173, 0.2416,
0.2806

52.5173, 0.2416,
0.2806

47.2153, 0.2284,
0.2681

58.4581, 0.2559,
0.2925

42.5118, 0.2168,
0.2552

65.0629, 0.2710,
0.3036

38.3703, 0.2071,
0.2420

72.3624, 0.2865,
0.3138

34.7460, 0.1994,
0.2289

80.3835, 0.3021,
0.3231

31.5826, 0.1938,
0.2160

89.1513, 0.3175,
0.3315

■ 30.6608, 0.1923,
0.2121

■ 95.6527, 0.3225,
0.3393

■ 99.0129, 0.3220,
0.3444

Harmonies

Analogous

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



52.5173, 0.2440, 0.3093



52.5173, 0.2416, 0.2806



52.5173, 0.2566, 0.2667

Triad

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



52.5173, 0.2416, 0.2806



52.5173, 0.3628, 0.3099



52.5173, 0.3356, 0.3985

Complementary

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



52.5173, 0.2416, 0.2806



46.7921, 0.4197, 0.3714

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.



52.5173, 0.3697, 0.3937



52.5173, 0.2416, 0.2806



52.5173, 0.3866, 0.3413

Square

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



52.5173, 0.2416, 0.2806



52.5173, 0.3254, 0.2840



52.5173, 0.3889, 0.3718



52.5173, 0.2968, 0.3811

Rectangle

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



52.5173, 0.2416, 0.2806



52.5173, 0.2752, 0.2662



52.5173, 0.3889, 0.3718



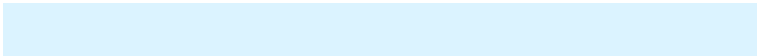
52.5173, 0.3480, 0.3992

Sweetspot

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



52.5193, 0.2416, 0.2806



86.3609, 0.2909, 0.3165



68.9444, 0.2871, 0.4271



18.0670, 0.2875, 0.3145



0.0000, 0.0000, 0.0000



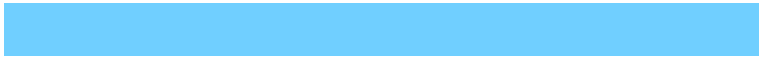
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5193, 0.2416, 0.2806



55.0869, 0.2293, 0.2690



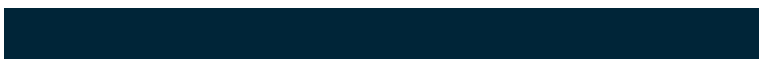
31.1947, 0.2279, 0.2057



16.9731, 0.2980, 0.3208



17.1942, 0.1928, 0.2141



1.6138, 0.1975, 0.2310

Inverse Universe

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



37.7446, 0.3554, 0.2496



37.3757, 0.3675, 0.2358



71.2515, 0.3905, 0.4273



15.9350, 0.3190, 0.3135



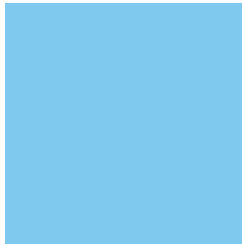
11.5291, 0.4296, 0.2140



0.9776, 0.4116, 0.2041

Previews

White Background



This preview shows how the Yxy color 52.5173, 0.2416, 0.2806 looks on a white background.

Color Contrast Check

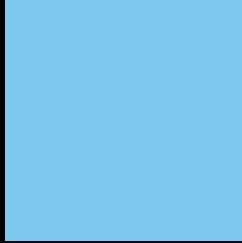
Large Text (above 18pt) WCAG AA × Fail

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 52.5173, 0.2416, 0.2806 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

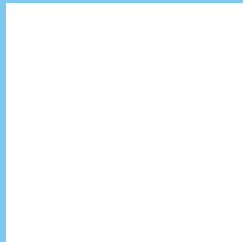
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5173, 0.2416, 0.2806

Background



This preview shows how black text looks on a background with the Yxy color 52.5173, 0.2416, 0.2806.



This preview shows how white text looks on a background with the Yxy color 52.5173, 0.2416, 0.2806.

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

52.5173, 0.2416, 0.2806

Protanopia

52.1098, 0.2777, 0.2787

Deuteranopia

52.0187, 0.2713, 0.2646



Tritanopia

52.4711, 0.2483, 0.3063

Trichromacy



Original Color

52.5173, 0.2416, 0.2806

Protanomaly

51.7618, 0.2627, 0.2785

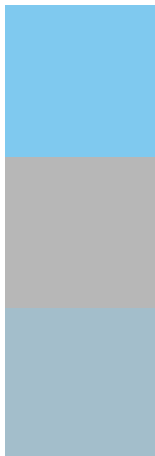
Deuteranomaly

51.8367, 0.2592, 0.2696

Tritanomaly

52.5243, 0.2455, 0.2963

Monochromacy



Original Color

52.5173, 0.2416, 0.2806

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.9252, 0.2825, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5173, 0.2416, 0.2806 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(127, 201, 239)` looks like.

```
.text, #text, p{  
    color:rgb(127, 201, 239)  
}
```

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(127, 201, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 201, 239) }
```

Border

The CSS property to change the border of an element to Yxy 52.5173, 0.2416, 0.2806 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(127, 201, 239) }
```

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

```
.border{ border-color:rgb(127, 201, 239) }
```

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

Here you see how a box with a 4 pixel rgb(127, 201, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 201, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 201, 239);  
box-shadow:4px 4px 4px 4px rgb(127, 201,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5173, 0.2416, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 201, 239) }
```

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

```
.background{ background-color: rgb(127,  
201, 239) }
```

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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