

Converting Colors

$Y_{xy}(51.0242, 0.2458, 0.2807)$

Have a look what the booklet for
Yxy(51.0242, 0.2458, 0.2807)
contains.

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Color

Yxy(50.9172, 0.2458, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	85C5EB
RGB	133, 197, 235
RGB Percent	52%, 77%, 92%
CMY	0.4780, 0.2275, 0.0784
CMYK	0.43, 0.16, 0.00, 0.08
HSL	202°, 72%, 72%
HSV	202°, 43%, 92%
XYZ	44.6502, 50.9172, 86.0851
YIQ	182.1960, -50.3420, -1.7500

Conversions

Conversions Part 2

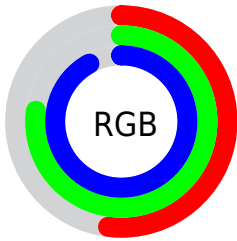
Format	Color
RYB	133, 172, 235
Decimal	8766955
CIELab	76.63, -10.58, -25.23
CIELCh	77, 27.357, 247.256
Yxy	50.9172, 0.2458, 0.2803
Android (android.graphics.Color)	4286957035 (0xFF85C5EB)
YUV	182.1960, 26.0324, -43.1449
Hunter-Lab	71.3563, -13.1797, -21.5788

Details

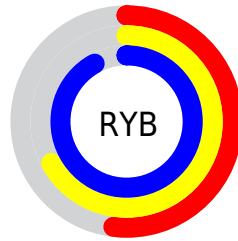
The Yxy color **50.9172, 0.2458, 0.2803** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.5483, 0.4070, 0.3721**, and the grayscale version is **46.7822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0508, 0.2751, 0.3278**, and **24.4774, 0.2291, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **45.3448, 0.2318, 0.2667**, and if you desaturate by 10%, it is **57.1534, 0.2608, 0.2932**.

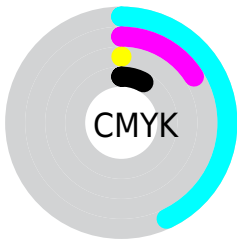
Distribution



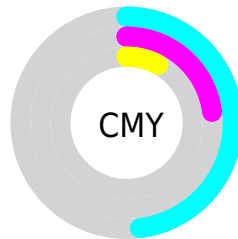
- Red (52%)
- Green (77%)
- Blue (92%)



- Red (52%)
- Yellow (67%)
- Blue (92%)



- Cyan (43%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (48%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9172, 0.2458, 0.2803 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 50.9172, 0.2458, 0.2803 by changing the saturation by 10% instead.

■ 50.9172, 0.2458,
0.2803

■ 50.9172, 0.2458,
0.2803

■ 390.2420, 0.2778,
0.3044

■ 36.1427, 0.2383,
0.2744

■ 91.5324, 0.2571,
0.2890

■ 24.5444, 0.2289,
0.2670

■ 118.1418, 0.2614,
0.2923

■ 15.7380, 0.2169,
0.2572

■ 149.4651, 0.2652,
0.2951

■ 9.3389, 0.2010,
0.2441

■ 185.8865, 0.2684,
0.2975

■ 4.9629, 0.1794,
0.2255

■ 227.7906, 0.2712,
0.2995

■ 2.2255, 0.1485,
0.1976

■ 275.5615, 0.2737,

■ 0.7339, 0.0919,

0.3014

0.1535

329.5839, 0.2759,
0.3030

0.0000, 0.0000,
0.0000

50.9172, 0.2458,
0.2803

50.9172, 0.2458,
0.2803

45.3448, 0.2318,
0.2667

57.1534, 0.2608,
0.2932

40.3975, 0.2191,
0.2525

64.0777, 0.2763,
0.3051

36.0411, 0.2081,
0.2379

71.7197, 0.2920,
0.3160

32.2337, 0.1992,
0.2234

80.1055, 0.3076,
0.3259

28.9258, 0.1924,
0.2091

89.2596, 0.3228,
0.3348

■ 26.9557, 0.1888,
0.1998

■ 95.3944, 0.3249,
0.3432

■ 98.7792, 0.3244,
0.3483

Harmonies

Analogous

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



50.9172, 0.2459, 0.3061



50.9172, 0.2458, 0.2803



50.9172, 0.2623, 0.2689

Triad

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



50.9172, 0.2458, 0.2803



50.9172, 0.3644, 0.3147



50.9172, 0.3297, 0.3939

Complementary

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



50.9172, 0.2458, 0.2803



48.5483, 0.4070, 0.3721

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.



50.9172, 0.3633, 0.3923



50.9172, 0.2458, 0.2803



50.9172, 0.3845, 0.3450

Square

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



50.9172, 0.2458, 0.2803



50.9172, 0.3299, 0.2888



50.9172, 0.3839, 0.3734



50.9172, 0.2929, 0.3748

Rectangle

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



50.9172, 0.2458, 0.2803



50.9172, 0.2812, 0.2696



50.9172, 0.3839, 0.3734



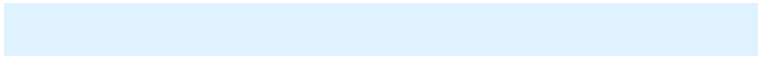
50.9172, 0.3418, 0.3957

Sweetspot

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



50.9191, 0.2458, 0.2803



86.6029, 0.2925, 0.3163



67.3443, 0.2868, 0.4135



18.0826, 0.2890, 0.3140



0.0000, 0.0000, 0.0000



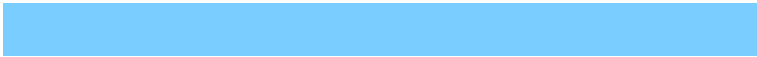
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9191, 0.2458, 0.2803



55.2892, 0.2333, 0.2682



31.7722, 0.2343, 0.2122



16.1220, 0.2981, 0.3200



15.2523, 0.1895, 0.2020



1.3812, 0.1949, 0.2216

Inverse Universe

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



38.5039, 0.3547, 0.2589



39.7095, 0.3670, 0.2456



71.3036, 0.3829, 0.4235



15.2129, 0.3195, 0.3143



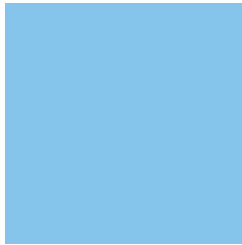
11.0325, 0.4430, 0.2214



0.8848, 0.4215, 0.2096

Previews

White Background



This preview shows how the Yxy color 50.9172, 0.2458, 0.2803 looks on a white background.

Color Contrast Check

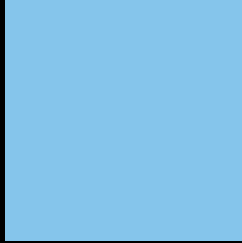
Large Text (above 18pt) WCAG AA × Fail

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 50.9172, 0.2458, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

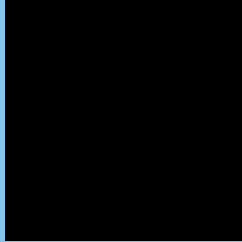
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

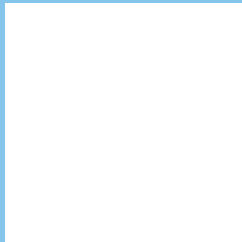
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9172, 0.2458, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 50.9172, 0.2458, 0.2803.



This preview shows how white text looks on a background with the Yxy color 50.9172, 0.2458, 0.2803.

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

50.9172, 0.2458, 0.2803

Protanopia

50.7258, 0.2773, 0.2793

Deuteranopia

50.6947, 0.2722, 0.2662



Tritanopia

50.8556, 0.2537, 0.3075

Trichromacy



Original Color

50.9172, 0.2458, 0.2803

Protanomaly

50.7125, 0.2642, 0.2794

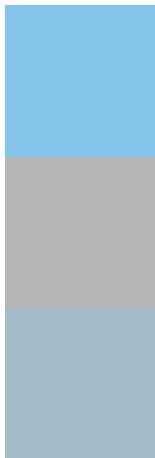
Deuteranomaly

50.4021, 0.2617, 0.2703

Tritanomaly

50.9204, 0.2508, 0.2974

Monochromacy



Original Color

50.9172, 0.2458, 0.2803

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6502, 0.2843, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9172, 0.2458, 0.2803 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(133, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(133, 197, 235)  
}
```

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(133, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 197, 235) }
```

Border

The CSS property to change the border of an element to Yxy 50.9172, 0.2458, 0.2803 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(133, 197, 235) }
```

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

```
.border{ border-color:rgb(133, 197, 235) }
```

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

Here you see how a box with a 4 pixel rgb(133, 197, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(133, 197,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9172, 0.2458, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 197, 235) }
```

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

```
.background{ background-color: rgb(133,  
197, 235) }
```

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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