

Converting Colors

$Y_{xy}(49.1068, 0.2369, 0.2735)$

Have a look what the booklet for
Yxy(49.1068, 0.2369, 0.2735)
contains.

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Color

Yxy(49.1252, 0.2367, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	77C3EE
RGB	119, 195, 238
RGB Percent	47%, 76%, 93%
CMY	0.5331, 0.2353, 0.0667
CMYK	0.50, 0.18, 0.00, 0.07
HSL	202°, 78%, 70%
HSV	202°, 50%, 93%
XYZ	42.5620, 49.1252, 88.1269
YIQ	177.1780, -59.0990, -2.7390

Conversions

Conversions Part 2

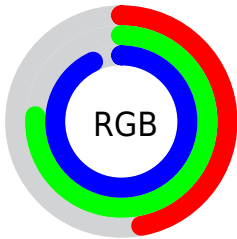
Format	Color
R _Y B	119, 165, 238
Decimal	7848942
CIE Lab	75.53, -11.99, -28.58
CIE LCh	76, 30.991, 247.233
Yxy	49.1252, 0.2367, 0.2732
Android (android.graphics.Color)	4286039022 (0xFF77C3EE)
YUV	177.1780, 29.9852, -51.0221
Hunter-Lab	70.0894, -14.2617, -25.4857

Details

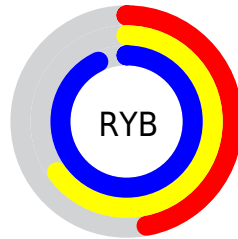
The Yxy color **49.1252, 0.2367, 0.2732** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3789, 0.4279, 0.3768**, and the grayscale version is **43.9365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1879, 0.2682, 0.3256**, and **23.3267, 0.2172, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **43.9013, 0.2237, 0.2596**, and if you desaturate by 10%, it is **54.9967, 0.2510, 0.2862**.

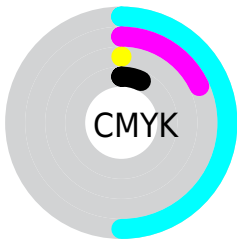
Distribution



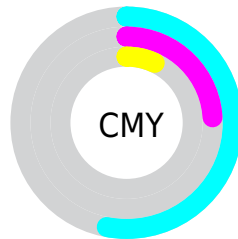
- Red (47%)
- Green (76%)
- Blue (93%)



- Red (47%)
- Yellow (65%)
- Blue (93%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1252, 0.2367, 0.2732 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 49.1252, 0.2367, 0.2732 by changing the saturation by 10% instead.

■ 49.1252, 0.2367,
0.2732

■ 49.1252, 0.2367,
0.2732

■ 383.2350, 0.2731,
0.3010

■ 34.7188, 0.2282,
0.2664

■ 88.8774, 0.2495,
0.2832

■ 23.4463, 0.2176,
0.2578

■ 114.9919, 0.2545,
0.2870

■ 14.9234, 0.2040,
0.2466

■ 145.7780, 0.2587,
0.2902

■ 8.7657, 0.1863,
0.2316

■ 181.6200, 0.2623,
0.2930

■ 4.5887, 0.1624,
0.2103

■ 222.9023, 0.2655,
0.2954

■ 2.0080, 0.1289,
0.1790

■ 270.0093, 0.2684,

■ 0.6121, 0.0607,

0.2975

0.1286

323.3254, 0.2709,
0.2993

0.0000, 0.0000,
0.0000

49.1252, 0.2367,
0.2732

49.1252, 0.2367,
0.2732

43.9013, 0.2237,
0.2596

54.9967, 0.2510,
0.2862

39.2838, 0.2123,
0.2457

61.5427, 0.2661,
0.2983

35.2339, 0.2028,
0.2316

68.7949, 0.2816,
0.3095

31.7042, 0.1955,
0.2176

76.7808, 0.2973,
0.3198

28.6171, 0.1900,
0.2040

85.5264, 0.3128,
0.3290

■ 28.6083, 0.1900,
0.2040

■ 93.7298, 0.3233,
0.3374

■ 98.9530, 0.3226,
0.3454

Harmonies

Analogous

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



49.1252, 0.2367, 0.3023



49.1252, 0.2367, 0.2732



49.1252, 0.2552, 0.2607

Triad

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



49.1252, 0.2367, 0.2732



49.1252, 0.3720, 0.3125



49.1252, 0.3318, 0.4040

Complementary

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



49.1252, 0.2367, 0.2732



45.3789, 0.4279, 0.3768

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.



49.1252, 0.3704, 0.4015



49.1252, 0.2367, 0.2732



49.1252, 0.3952, 0.3466

Square

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



49.1252, 0.2367, 0.2732



49.1252, 0.3322, 0.2834



49.1252, 0.3942, 0.3791



49.1252, 0.2898, 0.3820

Rectangle

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



49.1252, 0.2367, 0.2732



49.1252, 0.2765, 0.2617



49.1252, 0.3942, 0.3791



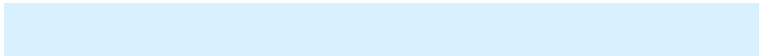
49.1252, 0.3456, 0.4059

Sweetspot

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



49.1270, 0.2367, 0.2732



84.9436, 0.2893, 0.3147



67.6385, 0.2849, 0.4321



17.7630, 0.2860, 0.3125



0.0000, 0.0000, 0.0000



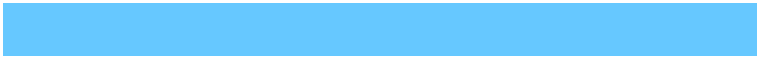
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1270, 0.2367, 0.2732



51.2017, 0.2234, 0.2593



27.9658, 0.2213, 0.1935



16.9116, 0.2980, 0.3203



16.2147, 0.1906, 0.2061



1.5370, 0.1956, 0.2241

Inverse Universe

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



35.3275, 0.3622, 0.2475



34.9176, 0.3771, 0.2336



70.7815, 0.3946, 0.4349



15.9287, 0.3193, 0.3140



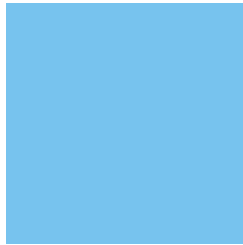
11.4302, 0.4384, 0.2189



0.9699, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 49.1252, 0.2367, 0.2732 looks on a white background.

Color Contrast Check

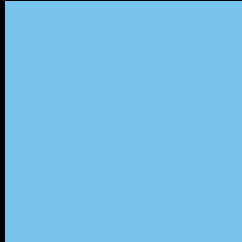
Large Text (above 18pt) WCAG AA × Fail

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 49.1252, 0.2367, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

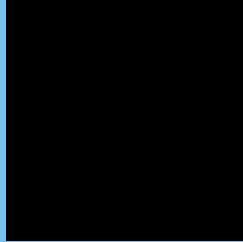
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

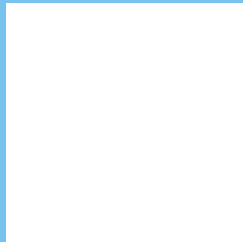
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1252, 0.2367, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 49.1252, 0.2367, 0.2732.



This preview shows how white text looks on a background with the Yxy color 49.1252, 0.2367, 0.2732.

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

49.1252, 0.2367, 0.2732

Protanopia

48.5788, 0.2720, 0.2715

Deuteranopia

48.6910, 0.2644, 0.2583



Tritanopia

49.1327, 0.2452, 0.3069

Trichromacy



Original Color

49.1252, 0.2367, 0.2732

Protanomaly

48.2939, 0.2572, 0.2712

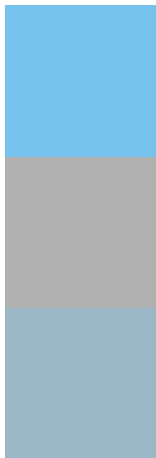
Deuteranomaly

48.6042, 0.2526, 0.2633

Tritanomaly

49.2933, 0.2423, 0.2953

Monochromacy



Original Color

49.1252, 0.2367, 0.2732

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.4724, 0.2795, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1252, 0.2367, 0.2732 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(119, 195, 238)` looks like.

```
.text, #text, p{  
    color:rgb(119, 195, 238)  
}
```

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(119, 195, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 195, 238) }
```

Border

The CSS property to change the border of an element to Yxy 49.1252, 0.2367, 0.2732 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(119, 195, 238) }
```

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

```
.border{ border-color:rgb(119, 195, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 195, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 195, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 195, 238); box-shadow:4px 4px 4px 4px rgb(119, 195, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1252, 0.2367, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 195, 238) }
```

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

```
.background{ background-color: rgb(119,  
195, 238) }
```

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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