

Converting Colors

$Y_{xy}(48.1559, 0.2223, 0.2590)$

Have a look what the booklet for
Yxy(48.1559, 0.2223, 0.2590)
contains.

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Color

Yxy(48.4112, 0.2225, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	61C3F9
RGB	97, 195, 249
RGB Percent	38%, 76%, 98%
CMY	0.6195, 0.2353, 0.0237
CMYK	0.61, 0.22, 0.00, 0.02
HSL	201°, 93%, 68%
HSV	201°, 61%, 98%
XYZ	41.5407, 48.4112, 96.7477
YIQ	171.8540, -75.7420, -3.9820

Conversions

Conversions Part 2

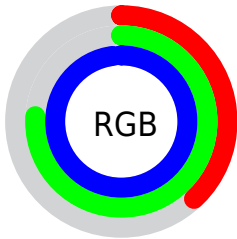
Format	Color
R _{YB}	97, 157, 249
Decimal	6407161
CIE Lab	75.08, -13.16, -35.23
CIE LCh	75, 37.611, 249.524
Yxy	48.4112, 0.2225, 0.2593
Android (android.graphics.Color)	4284597241 (0xFF61C3F9)
YUV	171.8540, 38.0330, -65.6470
Hunter-Lab	69.5782, -15.1909, -33.7374

Details

The Yxy color **48.4112, 0.2225, 0.2593** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.1252, 0.4656, 0.3841**, and the grayscale version is **41.0137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2117, 0.2596, 0.3255**, and **22.8749, 0.2003, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **43.4070, 0.2114, 0.2455**, and if you desaturate by 10%, it is **54.0825, 0.2353, 0.2727**.

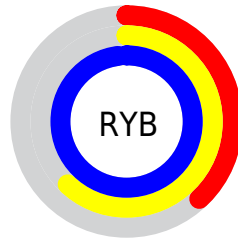
Distribution



Red (38%)

Green (76%)

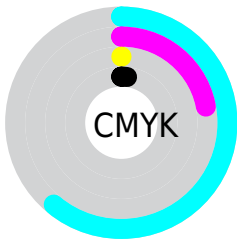
Blue (98%)



Red (38%)

Yellow (62%)

Blue (98%)

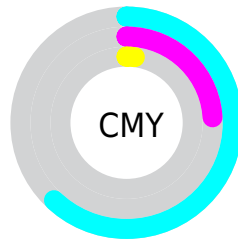


Cyan (61%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (62%)

Magenta (24%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4112, 0.2225, 0.2593 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 48.4112, 0.2225, 0.2593 by changing the saturation by 10% instead.

■ 48.4112, 0.2225,
0.2593

■ 48.4112, 0.2225,
0.2593

■ 380.4197, 0.2654,
0.2938

■ 34.1526, 0.2126,
0.2510

■ 87.8163, 0.2375,
0.2716

■ 23.0109, 0.2004,
0.2406

■ 113.7317, 0.2433,
0.2763

■ 14.6015, 0.1851,
0.2271

■ 144.3014, 0.2483,
0.2803

■ 8.5402, 0.1653,
0.2093

■ 179.9099, 0.2526,
0.2838

■ 4.4425, 0.1394,
0.1848

■ 220.9416, 0.2564,
0.2868

■ 1.9241, 0.1047,
0.1503

■ 267.7809, 0.2597,

■ 0.5628, 0.0370,

0.2894

0.0975

320.8121, 0.2627,
0.2917

0.0000, 0.0000,
0.0000

48.4112, 0.2225,
0.2593

48.4112, 0.2225,
0.2593

43.4070, 0.2114,
0.2455

54.0825, 0.2353,
0.2727

39.0190, 0.2023,
0.2317

60.4559, 0.2494,
0.2855

35.1949, 0.1953,
0.2180

67.5694, 0.2644,
0.2976

32.1695, 0.1906,
0.2060

75.4564, 0.2799,
0.3087

84.1478, 0.2956,
0.3189

 93.6725, 0.3111,
0.3281

 99.6174, 0.3162,
0.3348

Harmonies

Analogous

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



48.4112, 0.2207, 0.2923



48.4112, 0.2225, 0.2593



48.4112, 0.2458, 0.2467

Triad

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



48.4112, 0.2225, 0.2593



48.4112, 0.3881, 0.3115



48.4112, 0.3311, 0.4207

Complementary

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



48.4112, 0.2225, 0.2593



43.1252, 0.4656, 0.3841

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.



48.4112, 0.3789, 0.4182



48.4112, 0.2225, 0.2593



48.4112, 0.4145, 0.3521

Square

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



48.4112, 0.2225, 0.2593



48.4112, 0.3402, 0.2765



48.4112, 0.4103, 0.3910



48.4112, 0.2806, 0.3915

Rectangle

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



48.4112, 0.2225, 0.2593



48.4112, 0.2720, 0.2492



48.4112, 0.4103, 0.3910



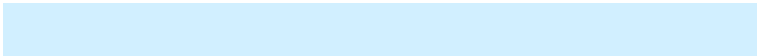
48.4112, 0.3480, 0.4233

Sweetspot

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



48.4129, 0.2225, 0.2593



82.3469, 0.2846, 0.3119



72.4810, 0.2816, 0.4605



17.0719, 0.2801, 0.3088



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.



48.4129, 0.2225, 0.2593



44.8281, 0.2093, 0.2427



22.7691, 0.1995, 0.1582



18.5106, 0.2980, 0.3204



17.5031, 0.1912, 0.2082



1.8209, 0.1956, 0.2242

Inverse Universe

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



32.6278, 0.3773, 0.2315



29.1672, 0.3960, 0.2199



75.4842, 0.4118, 0.4541



17.4138, 0.3193, 0.3138



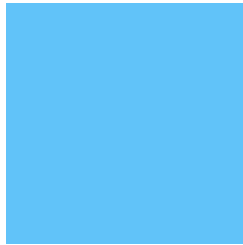
12.1778, 0.4361, 0.2176



1.1480, 0.4187, 0.2080

Previews

White Background



This preview shows how the Yxy color 48.4112, 0.2225, 0.2593 looks on a white background.

Color Contrast Check

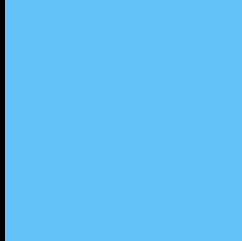
Large Text (above 18pt) WCAG AA × Fail

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 48.4112, 0.2225, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

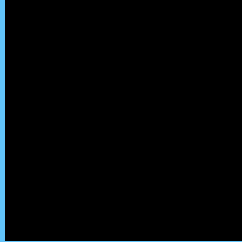
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

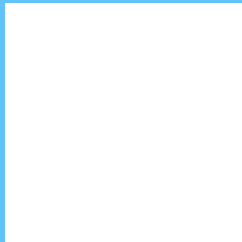
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4112, 0.2225, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 48.4112, 0.2225, 0.2593.



This preview shows how white text looks on a background with the Yxy color 48.4112, 0.2225, 0.2593.

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

48.4112, 0.2225, 0.2593

Protanopia

48.0127, 0.2621, 0.2597

Deuteranopia

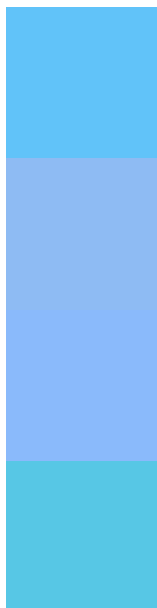
47.7574, 0.2506, 0.2443



Tritanopia

48.5769, 0.2327, 0.3064

Trichromacy



Original Color

48.4112, 0.2225, 0.2593

Protanomaly

47.7625, 0.2445, 0.2589

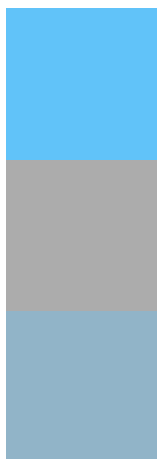
Deuteranomaly

47.4861, 0.2380, 0.2486

Tritanomaly

48.5302, 0.2285, 0.2880

Monochromacy



Original Color

48.4112, 0.2225, 0.2593

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8324, 0.2703, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4112, 0.2225, 0.2593 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(97, 195, 249)` looks like.

```
.text, #text, p{  
    color:rgb(97, 195, 249)  
}
```

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(97, 195, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 195, 249) }
```

Border

The CSS property to change the border of an element to Yxy 48.4112, 0.2225, 0.2593 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(97, 195, 249) }
```

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

```
.border{ border-color:rgb(97, 195, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 195, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 195, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 195, 249);  
box-shadow:4px 4px 4px 4px rgb(97, 195,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4112, 0.2225, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 195, 249) }
```

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

```
.background{ background-color: rgb(97, 195,  
249) }
```

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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