

Converting Colors

$Y_{xy}(49.3252, 0.2391, 0.2902)$

Have a look what the booklet for
Yxy(49.3252, 0.2391, 0.2902)
contains.

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Color

Yxy(49.3137, 0.2389, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	6FC6E3
RGB	111, 198, 227
RGB Percent	44%, 78%, 89%
CMY	0.5650, 0.2235, 0.1097
CMYK	0.51, 0.13, 0.00, 0.11
HSL	195°, 67%, 66%
HSV	195°, 51%, 89%
XYZ	40.6103, 49.3137, 80.0646
YIQ	175.2930, -61.1610, -9.4250

Conversions

Conversions Part 2

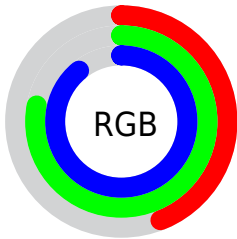
Format	Color
R _Y B	111, 161, 227
Decimal	7325411
CIE Lab	75.65, -18.44, -22.51
CIE LCh	76, 29.095, 230.681
Yxy	49.3137, 0.2389, 0.2901
Android (android.graphics.Color)	4285515491 (0xFF6FC6E3)
YUV	175.2930, 25.4916, -56.3850
Hunter-Lab	70.2237, -19.6652, -18.4421

Details

The Yxy color **49.3137, 0.2389, 0.2901** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.2204, 0.4399, 0.3628**, and the grayscale version is **42.9122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **23.5535, 0.2198, 0.2778** is the 20% darker color. If you saturate the color by 10%, you get **45.4810, 0.2276, 0.2810**, and if you desaturate by 10%, it is **53.6214, 0.2517, 0.2988**.

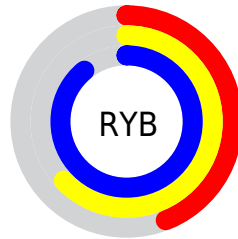
Distribution



Red (44%)

Green (78%)

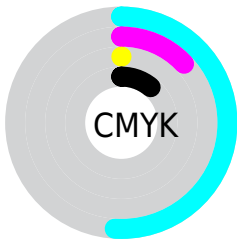
Blue (89%)



Red (44%)

Yellow (63%)

Blue (89%)

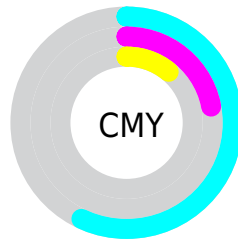


Cyan (51%)

Magenta (13%)

Yellow (0%)

Black (11%)



Cyan (57%)


Magenta (22%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3137, 0.2389, 0.2901 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 49.3137, 0.2389, 0.2901 by changing the saturation by 10% instead.


 49.3137, 0.2389,
0.2901

 49.3137, 0.2389,
0.2901

383.9760, 0.2743,
0.3100


 34.8684, 0.2306,
0.2851


 89.1572, 0.2514,
0.2974

 23.5615, 0.2202,
0.2786


 115.3242, 0.2562,
0.3001

 15.0087, 0.2068,
0.2700


 146.1671, 0.2603,
0.3024

 8.8255, 0.1893,
0.2581

182.0705, 0.2639,
0.3044

 4.6275, 0.1653,
0.2407

223.4187, 0.2670,
0.3061

 2.0304, 0.1313,
0.2135

270.5961, 0.2697,

 0.6251, 0.0391,

0.3075

0.1697

323.9870, 0.2722,
0.3088

0.0000, 0.0000,
0.0000

49.3137, 0.2389,
0.2901

49.3137, 0.2389,
0.2901

45.4810, 0.2276,
0.2810

53.6214, 0.2517,
0.2988

42.0876, 0.2181,
0.2717

58.4253, 0.2656,
0.3071

39.1013, 0.2105,
0.2623


63.7521, 0.2803,
0.3148


36.4811, 0.2049,
0.2530

69.6244, 0.2956,
0.3219


34.4048, 0.2013,
0.2448

76.0635, 0.3110,
0.3283

 83.0894, 0.3263,
0.3341

 87.7950, 0.3311,
0.3396

 91.1456, 0.3305,
0.3451

 94.6013, 0.3298,
0.3506

Harmonies

Analogous

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



49.3137, 0.2489, 0.3244



49.3137, 0.2389, 0.2901



49.3137, 0.2469, 0.2693

Triad

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



49.3137, 0.2389, 0.2901



49.3137, 0.3489, 0.2974



49.3137, 0.3519, 0.4007

Complementary

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



49.3137, 0.2389, 0.2901



36.2204, 0.4399, 0.3628

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.



49.3137, 0.3815, 0.3874



49.3137, 0.2389, 0.2901



49.3137, 0.3805, 0.3278

Square

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



49.3137, 0.2389, 0.2901



49.3137, 0.3085, 0.2748



49.3137, 0.3925, 0.3602



49.3137, 0.3129, 0.3925

Rectangle

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



49.3137, 0.2389, 0.2901



49.3137, 0.2617, 0.2643



49.3137, 0.3925, 0.3602



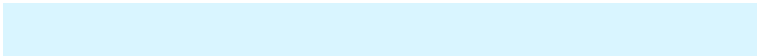
49.3137, 0.3633, 0.3984

Sweetspot

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



49.3156, 0.2389, 0.2901



87.5057, 0.2895, 0.3191



60.1600, 0.2916, 0.4544



18.3828, 0.2863, 0.3176



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.



49.3156, 0.2389, 0.2901



59.0757, 0.2273, 0.2808



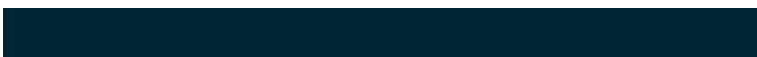
28.2362, 0.2230, 0.2094



15.6943, 0.2981, 0.3230



20.2552, 0.2017, 0.2462



1.6416, 0.2055, 0.2597

Inverse Universe

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



31.7667, 0.3487, 0.2329



35.2337, 0.3586, 0.2173



56.9892, 0.4039, 0.4239



14.5504, 0.3176, 0.3115



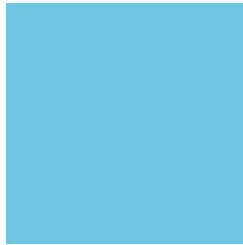
11.2425, 0.3960, 0.1955



0.8454, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 49.3137, 0.2389, 0.2901 looks on a white background.

Color Contrast Check

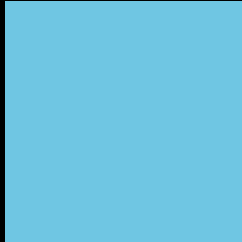
Large Text (above 18pt) WCAG AA × Fail

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 49.3137, 0.2389, 0.2901 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 49.3137, 0.2389, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 49.3137, 0.2389, 0.2901.



This preview shows how white text looks on a background with the Yxy color 49.3137, 0.2389, 0.2901.

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

49.3137, 0.2389, 0.2901

Protanopia

48.8744, 0.2844, 0.2881

Deuteranopia

48.9287, 0.2756, 0.2699



Tritanopia

49.3922, 0.2430, 0.3069

Trichromacy



Original Color

49.3137, 0.2389, 0.2901

Protanomaly

48.4857, 0.2646, 0.2878

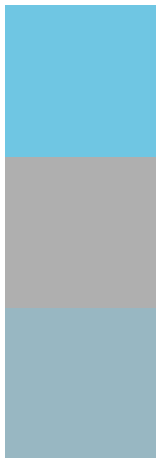
Deuteranomaly

48.6482, 0.2597, 0.2760

Tritanomaly

49.2023, 0.2412, 0.3003

Monochromacy



Original Color

49.3137, 0.2389, 0.2901

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.4374, 0.2798, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3137, 0.2389, 0.2901 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(111, 198, 227)` looks like.

```
.text, #text, p{  
    color:rgb(111, 198, 227)  
}
```

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(111, 198, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 198, 227) }
```

Border

The CSS property to change the border of an element to Yxy 49.3137, 0.2389, 0.2901 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(111, 198, 227) }
```

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

```
.border{ border-color:rgb(111, 198, 227) }
```

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

Here you see how a box with a 4 pixel rgb(111, 198, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 198, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 198, 227);  
box-shadow:4px 4px 4px 4px rgb(111, 198,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3137, 0.2389, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 198, 227) }
```

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

```
.background{ background-color: rgb(111,  
198, 227) }
```

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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