

Converting Colors

$Y_{xy}(46.3731, 0.2291, 0.2853)$

Have a look what the booklet for
Yxy(46.3731, 0.2291, 0.2853)
contains.

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Color

Yxy(46.1984, 0.2289, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	59C2E2
RGB	89, 194, 226
RGB Percent	35%, 76%, 89%
CMY	0.6508, 0.2392, 0.1136
CMYK	0.61, 0.14, 0.00, 0.11
HSL	194°, 70%, 62%
HSV	194°, 61%, 89%
XYZ	37.1437, 46.1984, 78.9284
YIQ	166.2530, -72.8520, -12.3080

Conversions

Conversions Part 2

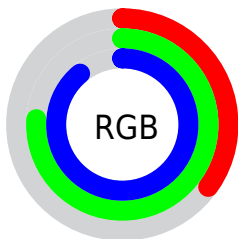
Format	Color
R_{YB}	89, 148, 226
Decimal	5882594
CIE _{Lab}	73.67, -20.97, -25.05
CIE _{LCh}	74, 32.670, 230.065
Yxy	46.1984, 0.2289, 0.2847
Android (android.graphics.Color)	4284072674 (0xFF59C2E2)
YUV	166.2530, 29.4553, -67.7509
Hunter-Lab	67.9694, -21.4003, -21.2710

Details

The Yxy color **46.1984, 0.2289, 0.2847** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.5849, 0.4772, 0.3647**, and the grayscale version is **38.1486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6984, 0.2554, 0.3244**, and **21.6964, 0.2084, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **42.9372, 0.2195, 0.2761**, and if you desaturate by 10%, it is **49.8898, 0.2401, 0.2931**.

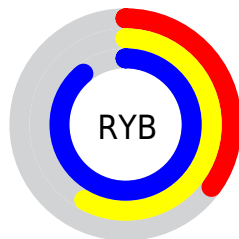
Distribution



Red (35%)

Green (76%)

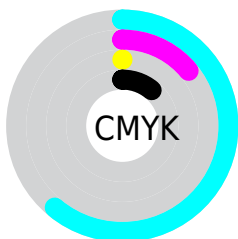
Blue (89%)



Red (35%)

Yellow (58%)

Blue (89%)

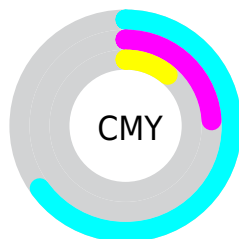


Cyan (61%)

Magenta (14%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (24%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1984, 0.2289, 0.2847 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 46.1984, 0.2289, 0.2847 by changing the saturation by 10% instead.

46.1984, 0.2289,
0.2847

46.1984, 0.2289,
0.2847

371.6057, 0.2693,
0.3077

32.4024, 0.2194,
0.2788

84.5158, 0.2432,
0.2932

21.6691, 0.2075,
0.2712

109.8061, 0.2487,
0.2963

13.6139, 0.1923,
0.2611

139.6965, 0.2534,
0.2990

7.8526, 0.1723,
0.2470

174.5716, 0.2574,
0.3012

4.0008, 0.1453,
0.2263

214.8156, 0.2610,
0.3032

1.6740, 0.1078,
0.1940

260.8131, 0.2641,

0.4067, 0.0000,

0.3049

0.1272

312.9483, 0.2668,
0.3064

0.0000, 0.0000,
0.0000

46.1984, 0.2289,
0.2847

46.1984, 0.2289,
0.2847

42.9372, 0.2195,
0.2761

49.8898, 0.2401,
0.2931

40.0678, 0.2121,
0.2673

54.0357, 0.2527,
0.3012

37.5521, 0.2066,
0.2587

58.6640, 0.2665,
0.3089

35.4487, 0.2030,
0.2506

63.7988, 0.2812,
0.3161

69.4624, 0.2964,
0.3227

75.6756, 0.3118,
0.3287

82.4578, 0.3271,
0.3341

86.9005, 0.3319,
0.3392

89.9935, 0.3313,
0.3443

Harmonies

Analogous

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



46.1984, 0.2404, 0.3242



46.1984, 0.2289, 0.2847



46.1984, 0.2375, 0.2611

Triad

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



46.1984, 0.2289, 0.2847



46.1984, 0.3532, 0.2924



46.1984, 0.3580, 0.4114

Complementary

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



46.1984, 0.2289, 0.2847



30.5849, 0.4772, 0.3647

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.



46.1984, 0.3918, 0.3947



46.1984, 0.2289, 0.2847



46.1984, 0.3901, 0.3264

Square

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



46.1984, 0.2289, 0.2847



46.1984, 0.3066, 0.2672



46.1984, 0.4043, 0.3631



46.1984, 0.3134, 0.4031

Rectangle

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



46.1984, 0.2289, 0.2847



46.1984, 0.2538, 0.2556



46.1984, 0.4043, 0.3631



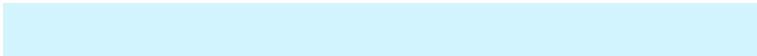
46.1984, 0.3710, 0.4082

Sweetspot

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



46.2001, 0.2289, 0.2847



85.6530, 0.2849, 0.3178



57.9125, 0.2895, 0.4821



17.8841, 0.2805, 0.3158



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.



46.2001, 0.2289, 0.2847



55.3060, 0.2172, 0.2735



22.4289, 0.2059, 0.1829



15.0006, 0.2982, 0.3234



20.4083, 0.2033, 0.2520



1.5479, 0.2070, 0.2652

Inverse Universe

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



27.2183, 0.3551, 0.2163



30.2250, 0.3672, 0.2011



53.5030, 0.4218, 0.4383



13.8779, 0.3173, 0.3112



10.9683, 0.3903, 0.1924



0.7737, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 46.1984, 0.2289, 0.2847 looks on a white background.

Color Contrast Check

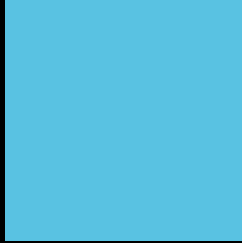
Large Text (above 18pt) WCAG AA × Fail

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 46.1984, 0.2289, 0.2847 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 46.1984, 0.2289, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 46.1984, 0.2289, 0.2847.



This preview shows how white text looks on a background with the Yxy color 46.1984, 0.2289, 0.2847.

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

46.1984, 0.2289, 0.2847

Protanopia

45.5177, 0.2800, 0.2820

Deuteranopia

45.8154, 0.2692, 0.2635



Tritanopia

46.0723, 0.2337, 0.3059

Trichromacy



Original Color

46.1984, 0.2289, 0.2847



Protanomaly

45.1462, 0.2571, 0.2825



Deuteranomaly

45.1868, 0.2505, 0.2692



Tritanomaly

45.9713, 0.2318, 0.2978

Monochromacy



Original Color

46.1984, 0.2289, 0.2847



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.0848, 0.2727, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1984, 0.2289, 0.2847 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(89, 194, 226)` looks like.

```
.text, #text, p{  
    color:rgb(89, 194, 226)  
}
```

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(89, 194, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 194, 226) }
```

Border

The CSS property to change the border of an element to Yxy 46.1984, 0.2289, 0.2847 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(89, 194, 226) }
```

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

```
.border{ border-color:rgb(89, 194, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 194, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 194, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 194, 226);  
box-shadow:4px 4px 4px 4px rgb(89, 194,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1984, 0.2289, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 194, 226) }
```

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

```
.background{ background-color: rgb(89, 194,  
226) }
```

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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