

Converting Colors

$Yxy(47.0850, 0.2309, 0.2931)$

Have a look what the booklet for
Yxy(47.0850, 0.2309, 0.2931)
contains.

Yxy(47.2811, 0.2313, 0.2942)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.2811, 0.2313, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	58C5DE
RGB	88, 197, 222
RGB Percent	35%, 77%, 87%
CMY	0.6549, 0.2274, 0.1295
CMYK	0.60, 0.11, 0.00, 0.13
HSL	191°, 67%, 61%
HSV	191°, 60%, 87%
XYZ	37.1724, 47.2811, 76.2572
YIQ	167.2590, -72.9890, -15.3330

Conversions

Conversions Part 2

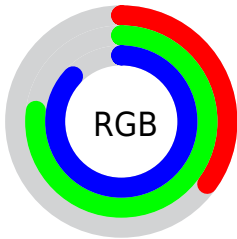
Format	Color
R _Y B	88, 148, 222
Decimal	5817822
CIE Lab	74.37, -23.87, -21.80
CIE LCh	74, 32.331, 222.403
Yxy	47.2811, 0.2313, 0.2942
Android (android.graphics.Color)	4284007902 (0xFF58C5DE)
YUV	167.2590, 26.9873, -69.5101
Hunter-Lab	68.7613, -23.8349, -17.6206

Details

The Yxy color **47.2811, 0.2313, 0.2942** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.0340, 0.4815, 0.3573**, and the grayscale version is **38.6691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4932, 0.2555, 0.3277**, and **22.4349, 0.2120, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **44.5063, 0.2225, 0.2875**, and if you desaturate by 10%, it is **50.4407, 0.2419, 0.3008**.

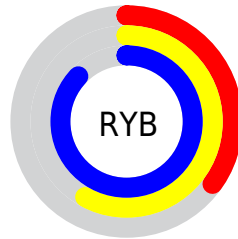
Distribution



Red (35%)

Green (77%)

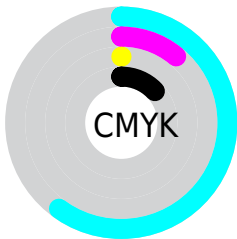
Blue (87%)



Red (35%)

Yellow (58%)

Blue (87%)

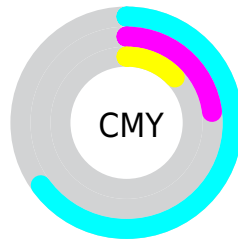


Cyan (60%)

Magenta (11%)

Yellow (0%)

Black (13%)



Cyan (65%)


Magenta (23%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2811, 0.2313, 0.2942 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 47.2811, 0.2313, 0.2942 by changing the saturation by 10% instead.


 47.2811, 0.2313,
0.2942


 47.2811, 0.2313,
0.2942


375.9355, 0.2705,
0.3125

 33.2579, 0.2220,
0.2894


 86.1331, 0.2452,
0.3010


 22.3241, 0.2105,
0.2832

 111.7306, 0.2505,
0.3035

 14.0952, 0.1957,
0.2748


 141.9552, 0.2550,
0.3056

 8.1869, 0.1763,
0.2630

 177.1910, 0.2590,
0.3074

 4.2148, 0.1498,
0.2453

217.8225, 0.2624,
0.3090

 1.7944, 0.1126,
0.2168

264.2342, 0.2654,

 0.4837, 0.0000,

0.3103

0.1616

316.8104, 0.2681,
0.3115

0.0000, 0.0000,
0.0000

47.2811, 0.2313,
0.2942

47.2811, 0.2313,
0.2942

44.5063, 0.2225,
0.2875

50.4407, 0.2419,
0.3008

42.0796, 0.2157,
0.2807

54.0072, 0.2540,
0.3072

39.9654, 0.2108,
0.2739

58.0073, 0.2674,
0.3132

38.1603, 0.2076,
0.2675

62.4634, 0.2818,
0.3189

67.3965, 0.2968,
0.3241

72.8260, 0.3122,
0.3288

78.7702, 0.3276,
0.3331

83.1841, 0.3354,
0.3372

85.5156, 0.3348,
0.3412

Harmonies

Analogous

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



47.2811, 0.2476, 0.3357



47.2811, 0.2313, 0.2942



47.2811, 0.2347, 0.2665

Triad

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



47.2811, 0.2313, 0.2942



47.2811, 0.3411, 0.2856



47.2811, 0.3672, 0.4078

Complementary

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



47.2811, 0.2313, 0.2942



28.0340, 0.4815, 0.3573

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.



47.2811, 0.3959, 0.3867



47.2811, 0.2313, 0.2942



47.2811, 0.3812, 0.3174

Square

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



47.2811, 0.2313, 0.2942



47.2811, 0.2954, 0.2639



47.2811, 0.4016, 0.3535



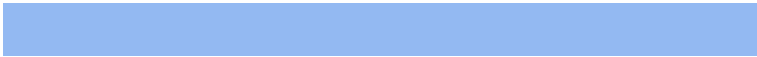
47.2811, 0.3250, 0.4064

Rectangle

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



47.2811, 0.2313, 0.2942



47.2811, 0.2478, 0.2580



47.2811, 0.4016, 0.3535



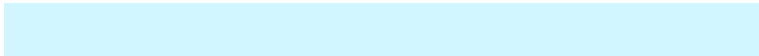
47.2811, 0.3788, 0.4028

Sweetspot

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



47.2829, 0.2313, 0.2942



86.9726, 0.2851, 0.3200



55.4874, 0.2928, 0.4909



18.2094, 0.2807, 0.3185



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.



47.2829, 0.2313, 0.2942



60.1722, 0.2209, 0.2860



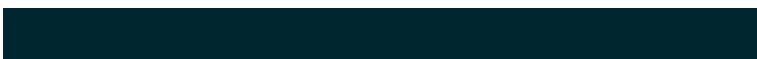
23.4260, 0.2087, 0.1937



15.1152, 0.2982, 0.3245



22.8247, 0.2079, 0.2684



1.6959, 0.2108, 0.2788

Inverse Universe

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



26.5368, 0.3471, 0.2108



31.0263, 0.3560, 0.1953



48.6919, 0.4261, 0.4313



13.8895, 0.3166, 0.3101



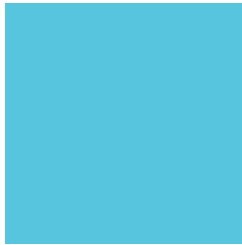
11.2122, 0.3743, 0.1836



0.7887, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 47.2811, 0.2313, 0.2942 looks on a white background.

Color Contrast Check

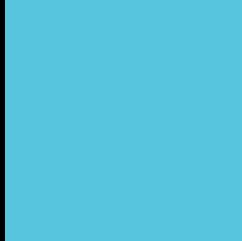
Large Text (above 18pt) WCAG AA × Fail

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 47.2811, 0.2313, 0.2942 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 47.2811, 0.2313, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 47.2811, 0.2313, 0.2942.



This preview shows how white text looks on a background with the Yxy color 47.2811, 0.2313, 0.2942.

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

47.2811, 0.2313, 0.2942

Protanopia

46.5758, 0.2860, 0.2897

Deuteranopia

46.6789, 0.2763, 0.2700



Tritanopia

47.1745, 0.2342, 0.3062

Trichromacy



Original Color

47.2811, 0.2313, 0.2942

Protanomaly

45.9534, 0.2611, 0.2904

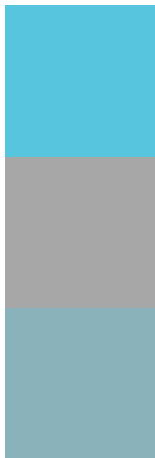
Deuteranomaly

46.1539, 0.2557, 0.2769

Tritanomaly

47.3764, 0.2331, 0.3022

Monochromacy



Original Color

47.2811, 0.2313, 0.2942

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.8319, 0.2737, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2811, 0.2313, 0.2942 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(88, 197, 222)` looks like.

```
.text, #text, p{  
    color:rgb(88, 197, 222)  
}
```

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(88, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 197, 222) }
```

Border

The CSS property to change the border of an element to Yxy 47.2811, 0.2313, 0.2942 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(88, 197, 222) }
```

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

```
.border{ border-color:rgb(88, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(88, 197,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2811, 0.2313, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 197, 222) }
```

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

```
.background{ background-color: rgb(88, 197,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor