

Converting Colors

$Y_{xy}(47.7001, 0.2838, 0.4516)$

Have a look what the booklet for
Yxy(47.7001, 0.2838, 0.4516)
contains.

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Color

Yxy(47.8250, 0.2839, 0.4513)

Conversions

Conversions Part 1

Format	Color
Hex	59CE80
RGB	89, 206, 128
RGB Percent	35%, 81%, 50%
CMY	0.6510, 0.1921, 0.4981
CMYK	0.57, 0.00, 0.38, 0.19
HSL	140°, 54%, 58%
HSV	140°, 57%, 81%
XYZ	30.0853, 47.8250, 28.0613
YIQ	162.1250, -44.6940, -49.0620

Conversions

Conversions Part 2

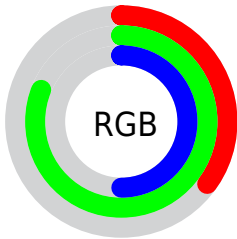
Format	Color
RYB	89, 177, 206
Decimal	5885568
CIELab	74.71, -50.26, 29.13
CIELCh	75, 58.087, 149.903
Yxy	47.8250, 0.2839, 0.4513
Android (android.graphics.Color)	4284075648 (0xFF59CE80)
YUV	162.1250, -16.8236, -64.1306
Hunter-Lab	69.1556, -43.3680, 24.3508

Details

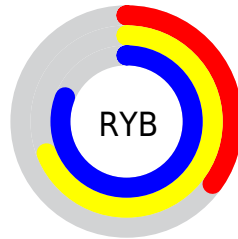
The Yxy color **47.8250, 0.2839, 0.4513** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.0555, 0.3667, 0.2348**, and the grayscale version is **36.2875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1521, 0.2905, 0.4186**, and **22.7688, 0.2722, 0.4916** is the 20% darker color. If you saturate the color by 10%, you get **46.6091, 0.2819, 0.4771**, and if you desaturate by 10%, it is **49.3788, 0.2873, 0.4259**.

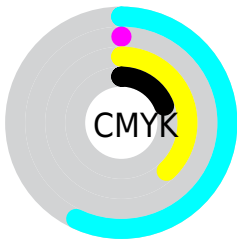
Distribution



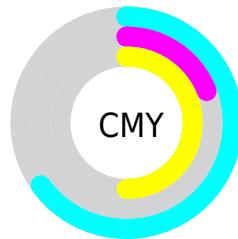
- Red (35%)
- Green (81%)
- Blue (50%)



- Red (35%)
- Yellow (69%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (38%)
- Black (19%)



- Cyan (65%)
- Magenta (19%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8250, 0.2839, 0.4513 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 47.8250, 0.2839, 0.4513 by changing the saturation by 10% instead.


 47.8250, 0.2839,
0.4513

 47.8250, 0.2839,
0.4513


378.0981, 0.3005,
0.3862


 33.6883, 0.2790,
0.4687


 86.9438, 0.2905,
0.4268


 22.6543, 0.2722,
0.4917


 112.6947, 0.2928,
0.4178

 14.3384, 0.2624,
0.5234


 143.0858, 0.2947,
0.4103

 8.3564, 0.2471,
0.5692

 178.5015, 0.2962,
0.4040

 4.3239, 0.2209,
0.6396

219.3262, 0.2976,
0.3986

 1.8563, 0.1476,
0.8524

265.9442, 0.2987,

 0.5219, 0.0000,

0.3939

1.0000

318.7400, 0.2997,
0.3898

■ 0.0000, 0.0000,
0.0000

■ 47.8250, 0.2839,
0.4513

■ 47.8250, 0.2839,
0.4513

■ 46.6091, 0.2819,
0.4771

■ 49.3788, 0.2873,
0.4259

■ 45.6989, 0.2815,
0.5024

■ 51.2882, 0.2918,
0.4016

■ 45.0657, 0.2829,
0.5259

■ 53.5765, 0.2970,
0.3791

■ 44.6698, 0.2858,
0.5465

■ 56.2631, 0.3027,
0.3587

■ 44.5711, 0.2868,
0.5525

■ 59.3665, 0.3087,
0.3403

■ 62.9035, 0.3146,
0.3240

■ 66.8904, 0.3205,
0.3097

■ 71.3424, 0.3261,
0.2972

■ 72.4088, 0.3173,
0.2843

Harmonies

Analogous

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



47.8250, 0.3603, 0.4776



47.8250, 0.2839, 0.4513



47.8250, 0.2194, 0.3740

Triad

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



47.8250, 0.2839, 0.4513



47.8250, 0.1996, 0.2102



47.8250, 0.4624, 0.3383

Complementary

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



47.8250, 0.2839, 0.4513



23.0555, 0.3667, 0.2348

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.



47.8250, 0.4078, 0.2832



47.8250, 0.2839, 0.4513



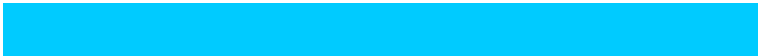
47.8250, 0.2509, 0.2131

Square

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



47.8250, 0.2839, 0.4513



47.8250, 0.1767, 0.2345



47.8250, 0.3265, 0.2390



47.8250, 0.4680, 0.3969

Rectangle

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



47.8250, 0.2839, 0.4513



47.8250, 0.1914, 0.3163



47.8250, 0.3265, 0.2390



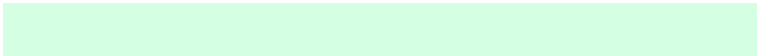
47.8250, 0.4491, 0.3192

Sweetspot

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



47.8270, 0.2839, 0.4513



90.9614, 0.3025, 0.3595



53.2962, 0.3620, 0.4795



19.2697, 0.3013, 0.3635



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.



47.8270, 0.2839, 0.4513



75.1714, 0.2817, 0.4824



49.7528, 0.2528, 0.3603



12.5976, 0.3071, 0.3448



27.4597, 0.2861, 0.5499



1.4307, 0.2747, 0.5090

Inverse Universe

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



23.0555, 0.3667, 0.2348



31.2754, 0.3833, 0.2207



21.4006, 0.4514, 0.3031



11.3377, 0.3188, 0.3137



9.2170, 0.4263, 0.2122



0.4892, 0.4007, 0.1981

Previews

White Background



This preview shows how the Yxy color 47.8250, 0.2839, 0.4513 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 47.8250, 0.2839, 0.4513 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 47.8250, 0.2839, 0.4513

Background



This preview shows how black text looks on a background with the Yxy color 47.8250, 0.2839, 0.4513.



This preview shows how white text looks on a background with the Yxy color 47.8250, 0.2839, 0.4513.

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

47.8250, 0.2839, 0.4513

Protanopia

46.7697, 0.3799, 0.4105

Deuteranopia

47.0081, 0.3857, 0.3776



Tritanopia

47.6781, 0.2464, 0.3067

Trichromacy



Original Color

47.8250, 0.2839, 0.4513



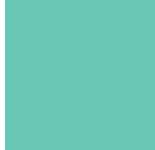
Protanomaly

45.9358, 0.3370, 0.4271



Deuteranomaly

45.3298, 0.3414, 0.4040



Tritanomaly

47.5878, 0.2602, 0.3568

Monochromacy



Original Color

47.8250, 0.2839, 0.4513



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.1937, 0.2981, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8250, 0.2839, 0.4513 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, 206, 128)` looks like.

```
.text, #text, p{  
    color:rgb(89, 206, 128)  
}
```

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, 206, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 206, 128) }
```

Border

The CSS property to change the border of an element to Yxy 47.8250, 0.2839, 0.4513 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, 206, 128) }
```

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

```
.border{ border-color:rgb(89, 206, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 206, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 206, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 206, 128);  
box-shadow:4px 4px 4px 4px rgb(89, 206,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8250, 0.2839, 0.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 206, 128) }
```

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

```
.background{ background-color: rgb(89, 206,  
128) }
```

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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