

Converting Colors

Yxy(52.4104, 0.3037, 0.4381)

Have a look what the booklet for
Yxy(52.4104, 0.3037, 0.4381)
contains.

Yxy(52.4815, 0.3042, 0.4386)	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(52.4815, 0.3042, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	81D286
RGB	129, 210, 134
RGB Percent	51%, 82%, 53%
CMY	0.4943, 0.1764, 0.4744
CMYK	0.39, 0.00, 0.36, 0.18
HSL	124°, 47%, 66%
HSV	124°, 39%, 82%
XYZ	36.3996, 52.4815, 30.7757
YIQ	177.1170, -23.8800, -40.8080

Conversions

Conversions Part 2

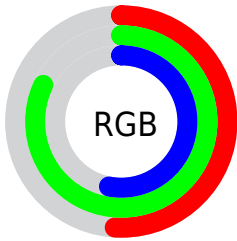
Format	Color
RYB	129, 205, 210
Decimal	8508038
CIELab	77.57, -40.21, 30.07
CIELCh	78, 50.212, 143.212
Yxy	52.4815, 0.3042, 0.4386
Android (android.graphics.Color)	4286698118 (0xFF81D286)
YUV	177.1170, -21.2567, -42.1986
Hunter-Lab	72.4441, -37.0897, 25.5233

Details

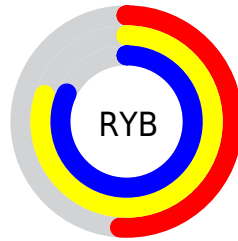
The Yxy color **52.4815, 0.3042, 0.4386** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7973, 0.3221, 0.2396**, and the grayscale version is **44.1517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4651, 0.3074, 0.4051**, and **25.5631, 0.2996, 0.4733** is the 20% darker color. If you saturate the color by 10%, you get **50.5060, 0.3021, 0.4726**, and if you desaturate by 10%, it is **54.9016, 0.3064, 0.4061**.

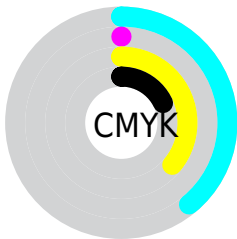
Distribution



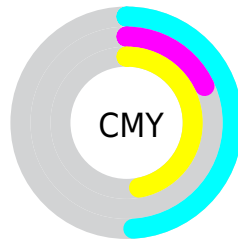
- Red (51%)
- Green (82%)
- Blue (53%)



- Red (51%)
- Yellow (80%)
- Blue (82%)



- Cyan (39%)
- Magenta (0%)
- Yellow (36%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4815, 0.3042, 0.4386 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 52.4815, 0.3042, 0.4386 by changing the saturation by 10% instead.


 52.4815, 0.3042,
0.4386

 52.4815, 0.3042,
0.4386


396.2927, 0.3102,
0.3817

 37.3890, 0.3021,
0.4533


 93.8410, 0.3068,
0.4175

 25.5088, 0.2990,
0.4725


 120.8767, 0.3077,
0.4097

 16.4566, 0.2943,
0.4984


 152.6624, 0.3084,
0.4031

 9.8478, 0.2864,
0.5349

189.5823, 0.3089,
0.3976

 5.2982, 0.2720,
0.5896

232.0209, 0.3093,
0.3928

 2.4232, 0.2623,
0.7330

280.3626, 0.3097,

 0.8378, 0.0000,

0.3886

1.0000

334.9917, 0.3100,
0.3849

■ 0.0000, 0.0000,
0.0000

■ 52.4815, 0.3042,
0.4386

■ 52.4815, 0.3042,
0.4386

■ 50.5060, 0.3021,
0.4726

■ 54.9016, 0.3064,
0.4061

■ 48.9419, 0.3004,
0.5065

■ 57.7840, 0.3087,
0.3762

■ 47.7621, 0.2991,
0.5379


■ 61.1535, 0.3109,
0.3494


■ 46.9332, 0.2985,
0.5644

■ 65.0310, 0.3130,
0.3259

■ 46.4163, 0.2986,
0.5839

■ 69.4366, 0.3149,
0.3054

 46.1540, 0.2991,
0.5955

 74.3888, 0.3167,
0.2877

 46.1272, 0.2990,
0.5966

 74.5778, 0.3148,
0.2851

Harmonies

Analogous

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



52.4815, 0.3692, 0.4518



52.4815, 0.3042, 0.4386



52.4815, 0.2449, 0.3827

Triad

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



52.4815, 0.3042, 0.4386



52.4815, 0.2089, 0.2298



52.4815, 0.4312, 0.3278

Complementary

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



52.4815, 0.3042, 0.4386



33.7973, 0.3221, 0.2396

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.



52.4815, 0.3786, 0.2808



52.4815, 0.3042, 0.4386



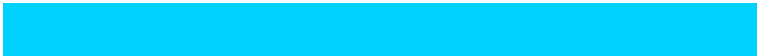
52.4815, 0.2486, 0.2266

Square

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



52.4815, 0.3042, 0.4386



52.4815, 0.1943, 0.2580



52.4815, 0.3096, 0.2450



52.4815, 0.4467, 0.3788

Rectangle

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



52.4815, 0.3042, 0.4386



52.4815, 0.2162, 0.3352



52.4815, 0.3096, 0.2450



52.4815, 0.4170, 0.3113

Sweetspot

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



52.4837, 0.3042, 0.4386



92.9396, 0.3101, 0.3585



60.7973, 0.3669, 0.4252



19.7434, 0.3099, 0.3620



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.



52.4837, 0.3042, 0.4386



78.9433, 0.3025, 0.4655



53.7996, 0.2803, 0.3800



13.2181, 0.3107, 0.3515



28.1393, 0.2988, 0.5956



1.5777, 0.2948, 0.5814

Inverse Universe

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



33.7973, 0.3221, 0.2396



46.1073, 0.3243, 0.2226



32.1249, 0.3644, 0.2838



11.9958, 0.3147, 0.3075



10.8185, 0.3371, 0.1631



0.6089, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 52.4815, 0.3042, 0.4386 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 52.4815, 0.3042, 0.4386 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 52.4815, 0.3042, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 52.4815, 0.3042, 0.4386.



This preview shows how white text looks on a background with the Yxy color 52.4815, 0.3042, 0.4386.

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

52.4815, 0.3042, 0.4386

Protanopia

52.0334, 0.3778, 0.4084

Deuteranopia

51.7680, 0.3862, 0.3792



Tritanopia

52.2862, 0.2635, 0.3081

Trichromacy



Original Color

52.4815, 0.3042, 0.4386



Protanomaly

51.5569, 0.3482, 0.4199



Deuteranomaly

50.9221, 0.3526, 0.3999



Tritanomaly

52.2199, 0.2783, 0.3536

Monochromacy



Original Color

52.4815, 0.3042, 0.4386



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.4420, 0.3101, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4815, 0.3042, 0.4386 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(129, 210, 134)` looks like.

```
.text, #text, p{  
    color:rgb(129, 210, 134)  
}
```

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(129, 210, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 210, 134) }
```

Border

The CSS property to change the border of an element to Yxy 52.4815, 0.3042, 0.4386 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(129, 210, 134) }
```

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

```
.border{ border-color:rgb(129, 210, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 210, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 210, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 210, 134);  
box-shadow:4px 4px 4px 4px rgb(129, 210,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4815, 0.3042, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 210, 134) }
```

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

```
.background{ background-color: rgb(129,  
210, 134) }
```

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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