

Converting Colors

$Yxy(46.3424, 0.3060, 0.4217)$

Have a look what the booklet for
Yxy(46.3424, 0.3060, 0.4217)
contains.

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Color

Yxy(46.5071, 0.3054, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	83C587
RGB	131, 197, 135
RGB Percent	51%, 77%, 53%
CMY	0.4864, 0.2274, 0.4705
CMYK	0.34, 0.00, 0.31, 0.23
HSL	124°, 36%, 64%
HSV	124°, 34%, 77%
XYZ	33.6970, 46.5071, 30.1331
YIQ	170.1980, -19.4340, -33.2740

Conversions

Conversions Part 2

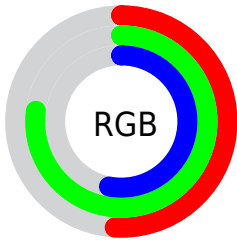
Format	Color
RYB	131, 193, 197
Decimal	8635783
CIELab	73.87, -33.51, 24.62
CIELCh	74, 41.580, 143.692
Yxy	46.5071, 0.3054, 0.4215
Android (android.graphics.Color)	4286825863 (0xFF83C587)
YUV	170.1980, -17.3526, -34.3766
Hunter-Lab	68.1961, -31.1431, 21.5395

Details

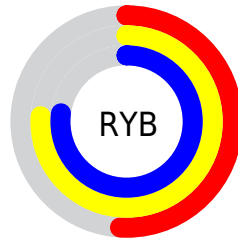
The Yxy color $46.5071, 0.3054, 0.4215$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $31.9423, 0.3206, 0.2512$, and the grayscale version is $40.3962, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.9968, 0.3075, 0.4028$, and $21.9205, 0.3006, 0.4512$ is the 20% darker color. If you saturate the color by 10%, you get $44.6067, 0.3032, 0.4548$, and if you desaturate by 10%, it is $48.8009, 0.3077, 0.3904$.

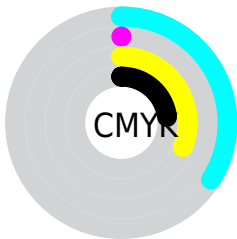
Distribution



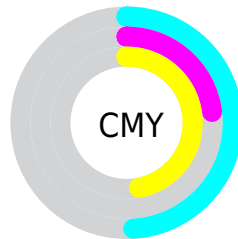
- Red (51%)
- Green (77%)
- Blue (53%)



- Red (51%)
- Yellow (76%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (31%)
- Black (23%)





- Cyan (49%)
- Magenta (23%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5071, 0.3054, 0.4215 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 46.5071, 0.3054, 0.4215 by changing the saturation by 10% instead.


 46.5071, 0.3054,
0.4215


 46.5071, 0.3054,
0.4215


372.8436, 0.3104,
0.3729


 32.6462, 0.3037,
0.4344


 84.9774, 0.3076,
0.4033

 21.8555, 0.3011,
0.4513


 110.3556, 0.3083,
0.3966

 13.7508, 0.2972,
0.4746


 140.3416, 0.3088,
0.3910

 7.9475, 0.2906,
0.5083

175.3199, 0.3093,
0.3863

 4.0614, 0.2780,
0.5606

215.6749, 0.3096,
0.3822

 1.7080, 0.2731,
0.7269

261.7909, 0.3099,

 0.4288, 0.0000,

0.3787

1.0000

314.0523, 0.3102,
0.3756

0.0000, 0.0000,
0.0000

46.5071, 0.3054,
0.4215

46.5071, 0.3054,
0.4215

44.6067, 0.3032,
0.4548

48.8009, 0.3077,
0.3904

43.0722, 0.3013,
0.4889

51.5022, 0.3099,
0.3621

41.8817, 0.2998,
0.5218

54.6316, 0.3120,
0.3371

41.0086, 0.2988,
0.5511

58.2067, 0.3140,
0.3152


40.4224, 0.2985,
0.5744

62.2438, 0.3158,
0.2962

 40.0866, 0.2988,
0.5902

 66.7587, 0.3175,
0.2799

 39.9633, 0.2990,
0.5964

 68.4165, 0.3154,
0.2722

Harmonies

Analogous

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



46.5071, 0.3621, 0.4348



46.5071, 0.3054, 0.4215



46.5071, 0.2535, 0.3741

Triad

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



46.5071, 0.3054, 0.4215



46.5071, 0.2221, 0.2421



46.5071, 0.4152, 0.3298

Complementary

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



46.5071, 0.3054, 0.4215



31.9423, 0.3206, 0.2512

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.



46.5071, 0.3706, 0.2877



46.5071, 0.3054, 0.4215



46.5071, 0.2579, 0.2390

Square

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



46.5071, 0.3054, 0.4215



46.5071, 0.2087, 0.2674



46.5071, 0.3115, 0.2555



46.5071, 0.4286, 0.3749

Rectangle

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



46.5071, 0.3054, 0.4215



46.5071, 0.2282, 0.3341



46.5071, 0.3115, 0.2555



46.5071, 0.4032, 0.3150

Sweetspot

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



46.5091, 0.3054, 0.4215



94.0339, 0.3106, 0.3533



53.0047, 0.3598, 0.4125



19.9616, 0.3103, 0.3570



0.0000, 0.0000, 0.0000



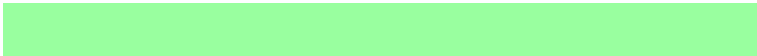
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.5091, 0.3054, 0.4215



80.8052, 0.3038, 0.4450



47.5596, 0.2841, 0.3720



11.8983, 0.3108, 0.3514



26.2875, 0.2988, 0.5955



1.2485, 0.2944, 0.5799

Inverse Universe

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



31.9423, 0.3206, 0.2512



50.8646, 0.3225, 0.2354



30.6567, 0.3552, 0.2900



10.8049, 0.3147, 0.3076



10.1126, 0.3368, 0.1629



0.4823, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 46.5071, 0.3054, 0.4215 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 46.5071, 0.3054, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

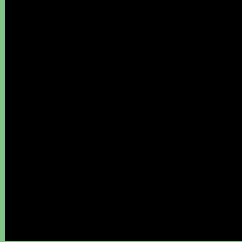
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5071, 0.3054, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 46.5071, 0.3054, 0.4215.



This preview shows how white text looks on a background with the Yxy color 46.5071, 0.3054, 0.4215.

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

46.5071, 0.3054, 0.4215

Protanopia

46.2084, 0.3694, 0.3976

Deuteranopia

45.7776, 0.3783, 0.3698



Tritanopia

46.2075, 0.2688, 0.3085

Trichromacy



Original Color

46.5071, 0.3054, 0.4215

Protanomaly

45.9500, 0.3437, 0.4062

Deuteranomaly

45.3582, 0.3495, 0.3882

Tritanomaly

45.9649, 0.2820, 0.3474

Monochromacy



Original Color

46.5071, 0.3054, 0.4215

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.1448, 0.3103, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5071, 0.3054, 0.4215 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(131, 197, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 135)  
}
```

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(131, 197, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 135) }
```

Border

The CSS property to change the border of an element to Yxy 46.5071, 0.3054, 0.4215 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(131, 197, 135) }
```

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

```
.border{ border-color:rgb(131, 197, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 197, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5071, 0.3054, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 135) }
```

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

```
.background{ background-color: rgb(131,  
197, 135) }
```

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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