

Converting Colors

$Yxy(46.5072, 0.2884, 0.3500)$

Have a look what the booklet for
Yxy(46.5072, 0.2884, 0.3500)
contains.

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Color

Yxy(46.5072, 0.2884, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	92BF80
RGB	146, 191, 176
RGB Percent	57%, 75%, 69%
CMY	0.4275, 0.2510, 0.3097
CMYK	0.24, 0.00, 0.08, 0.25
HSL	160°, 26%, 66%
HSV	160°, 24%, 75%
XYZ	38.3219, 46.5072, 48.0486
YIQ	175.8350, -22.0050, -14.2050

Conversions

Conversions Part 2

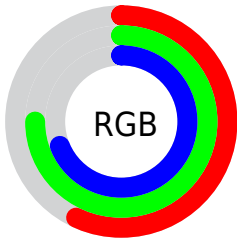
Format	Color
RYB	146, 173, 191
Decimal	9617328
CIELab	73.87, -18.01, 2.69
CIElCh	74, 18.205, 171.509
Yxy	46.5072, 0.2884, 0.3500
Android (android.graphics.Color)	4287807408 (0xFF92BFB0)
YUV	175.8350, 0.0813, -26.1653
Hunter-Lab	68.1962, -19.0376, 5.9637

Details

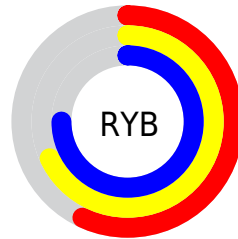
The Yxy color $46.5072, 0.2884, 0.3500$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $34.2021, 0.3451, 0.3090$, and the grayscale version is $43.3343, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.7652, 0.2928, 0.3451$, and $21.7262, 0.2807, 0.3545$ is the 20% darker color. If you saturate the color by 10%, you get $44.6570, 0.2792, 0.3604$, and if you desaturate by 10%, it is $48.6654, 0.2984, 0.3405$.

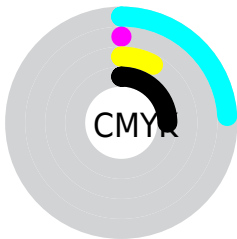
Distribution



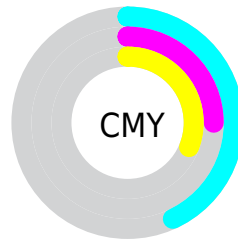
- Red (57%)
- Green (75%)
- Blue (69%)



- Red (57%)
- Yellow (68%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (43%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5072, 0.2884, 0.3500 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 46.5072, 0.2884, 0.3500 by changing the saturation by 10% instead.


 46.5072, 0.2884,
0.3500


 46.5072, 0.2884,
0.3500


372.8440, 0.3006,
0.3394

 32.6462, 0.2853,
0.3527


 84.9776, 0.2929,
0.3461

 21.8556, 0.2814,
0.3562


 110.3558, 0.2945,
0.3447

 13.7508, 0.2761,
0.3609


140.3418, 0.2959,
0.3434

 7.9476, 0.2687,
0.3675

175.3202, 0.2971,
0.3424

 4.0614, 0.2575,
0.3776

215.6751, 0.2982,
0.3415

 1.7080, 0.2389,
0.3949

261.7912, 0.2991,

 0.4288, 0.0000,

0.3407

0.6058

314.0527, 0.2999,
0.3400

0.0000, 0.0000,
0.0000

46.5072, 0.2884,
0.3500

46.5072, 0.2884,
0.3500

44.6570, 0.2792,
0.3604

48.6654, 0.2984,
0.3405

43.0944, 0.2710,
0.3715

51.1396, 0.3089,
0.3319

41.8054, 0.2641,
0.3834

53.9445, 0.3196,
0.3241

40.7725, 0.2590,
0.3957

57.0921, 0.3304,
0.3172

39.9760, 0.2556,
0.4083

60.5941, 0.3411,
0.3111

■ 39.3936, 0.2543,
0.4211

■ 63.3858, 0.3470,
0.3054

■ 38.9980, 0.2549,
0.4337

■ 63.7169, 0.3419,
0.2990

■ 38.8086, 0.2560,
0.4417

■ 64.0609, 0.3369,
0.2928

■ 64.4179, 0.3319,
0.2866

Harmonies

Analogous

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



46.5072, 0.3127, 0.3681



46.5072, 0.2884, 0.3500



46.5072, 0.2710, 0.3261

Triad

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



46.5072, 0.2884, 0.3500



46.5072, 0.2869, 0.2868



46.5072, 0.3634, 0.3507

Complementary

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



46.5072, 0.2884, 0.3500



34.2021, 0.3451, 0.3090

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.



46.5072, 0.3561, 0.3295



46.5072, 0.2884, 0.3500



46.5072, 0.3111, 0.2937

Square

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



46.5072, 0.2884, 0.3500



46.5072, 0.2702, 0.2903



46.5072, 0.3366, 0.3090



46.5072, 0.3565, 0.3674

Rectangle

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



46.5072, 0.2884, 0.3500



46.5072, 0.2653, 0.3108



46.5072, 0.3366, 0.3090



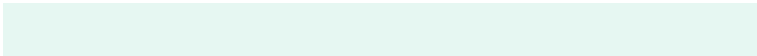
46.5072, 0.3626, 0.3439

Sweetspot

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



46.5091, 0.2884, 0.3500



89.9510, 0.3051, 0.3348



46.9146, 0.3219, 0.3921



19.6922, 0.3045, 0.3353



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.5091, 0.2884, 0.3500



81.6109, 0.2838, 0.3550



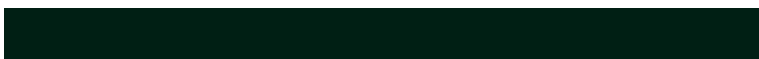
43.9456, 0.2775, 0.3185



10.7541, 0.3028, 0.3367



25.5187, 0.2556, 0.4400



1.0112, 0.2473, 0.4101

Inverse Universe

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



34.2021, 0.3451, 0.3090



55.9380, 0.3539, 0.3046



36.0948, 0.3586, 0.3393



9.5873, 0.3237, 0.3214



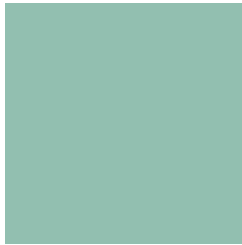
7.5324, 0.5614, 0.2866



0.3074, 0.4927, 0.2488

Previews

White Background



This preview shows how the Yxy color 46.5072, 0.2884, 0.3500 looks on a white background.

Color Contrast Check

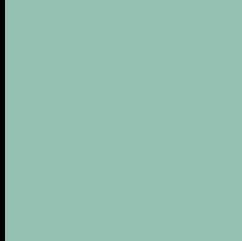
Large Text (above 18pt) WCAG AA × Fail

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 46.5072, 0.2884, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

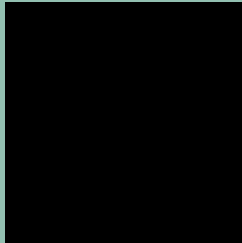
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

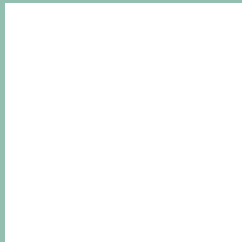
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5072, 0.2884, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 46.5072, 0.2884, 0.3500.



This preview shows how white text looks on a background with the Yxy color 46.5072, 0.2884, 0.3500.

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

46.5072, 0.2884, 0.3500

Protanopia

46.1096, 0.3270, 0.3421

Deuteranopia

46.0567, 0.3308, 0.3240



Tritanopia

46.3842, 0.2742, 0.3087

Trichromacy



Original Color

46.5072, 0.2884, 0.3500

Protanomaly

46.0302, 0.3120, 0.3452

Deuteranomaly

45.9654, 0.3142, 0.3330

Tritanomaly

46.2063, 0.2788, 0.3221

Monochromacy



Original Color

46.5072, 0.2884, 0.3500

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1817, 0.3031, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5072, 0.2884, 0.3500 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(146, 191, 176)` looks like.

```
.text, #text, p{  
    color:rgb(146, 191, 176)  
}
```

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(146, 191, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 191, 176) }
```

Border

The CSS property to change the border of an element to Yxy 46.5072, 0.2884, 0.3500 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(146, 191, 176) }
```

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

```
.border{ border-color:rgb(146, 191, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 191, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 191, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 191, 176);  
box-shadow:4px 4px 4px 4px rgb(146, 191,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5072, 0.2884, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 191, 176) }
```

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

```
.background{ background-color: rgb(146,  
191, 176) }
```

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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