

# Converting Colors

$Yxy(46.0708, 0.2967, 0.3817)$

Have a look what the booklet for  
Yxy(46.0708, 0.2967, 0.3817)  
contains.

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# Color

**Yxy(46.0632, 0.2965, 0.3814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC19D
RGB	139, 193, 157
RGB Percent	55%, 76%, 62%
CMY	0.4547, 0.2432, 0.3843
CMYK	0.28, 0.00, 0.19, 0.24
HSL	140°, 30%, 65%
HSV	140°, 28%, 76%
XYZ	35.8095, 46.0632, 38.9013
YIQ	172.7500, -20.6280, -22.6440

# Conversions

## Conversions Part 2

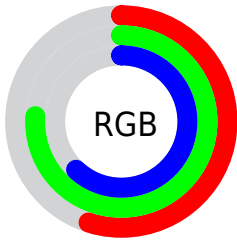
Format	Color
<a href="#">RYB</a>	<a href="#">139, 180, 193</a>
Decimal	<a href="#">9159069</a>
CIELab	<a href="#">73.59, -25.02, 12.54</a>
CIELCh	<a href="#">74, 27.992, 153.378</a>
Yxy	<a href="#">46.0632, 0.2965, 0.3814</a>
Android (android.graphics.Color)	<a href="#">4287349149 (0xFF8BC19D)</a>
YUV	<a href="#">172.7500, -7.7648, -29.5987</a>
Hunter-Lab	<a href="#">67.8699, -24.5922, 13.5254</a>

# Details

The Yxy color **46.0632, 0.2965, 0.3814** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.9142, 0.3338, 0.2819**, and the grayscale version is **41.7094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5940, 0.2997, 0.3711**, and **21.5321, 0.2906, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **44.1301, 0.2913, 0.4040**, and if you desaturate by 10%, it is **48.3398, 0.3021, 0.3608**.

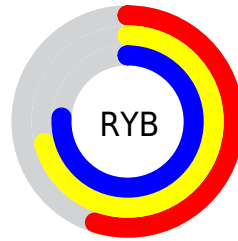
# Distribution



Red (55%)

Green (76%)

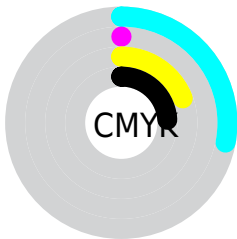
Blue (62%)



Red (55%)

Yellow (71%)

Blue (76%)

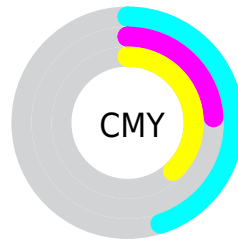


Cyan (28%)

Magenta (0%)

Yellow (19%)

Black (24%)



Cyan (45%)

Magenta (24%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0632, 0.2965, 0.3814 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 46.0632, 0.2965, 0.3814 by changing the saturation by 10% instead.





 46.0632, 0.2965,  
0.3814

 46.0632, 0.2965,  
0.3814


371.0627, 0.3051,  
0.3542

 32.2957, 0.2942,  
0.3885


 84.3136, 0.2997,  
0.3713

 21.5875, 0.2912,  
0.3978


 109.5652, 0.3009,  
0.3676

 13.5541, 0.2869,  
0.4106


 139.4137, 0.3019,  
0.3644

 7.8112, 0.2807,  
0.4291

174.2435, 0.3027,  
0.3618

 3.9744, 0.2706,  
0.4581

214.4388, 0.3034,  
0.3595

 1.6592, 0.2528,  
0.5123

260.3842, 0.3041,

 0.3971, 0.0000,

0.3575

1.0000

312.4640, 0.3046,  
0.3558

0.0000, 0.0000,  
0.0000

46.0632, 0.2965,  
0.3814

46.0632, 0.2965,  
0.3814

44.1301, 0.2913,  
0.4040

48.3398, 0.3021,  
0.3608

42.5179, 0.2870,  
0.4283

50.9699, 0.3080,  
0.3422

41.2102, 0.2837,  
0.4537

53.9699, 0.3139,  
0.3258

40.1867, 0.2818,  
0.4795

57.3537, 0.3198,  
0.3113


39.4247, 0.2816,  
0.5045


61.1345, 0.3254,  
0.2986

 38.8977, 0.2831,  
0.5277

 65.3247, 0.3308,  
0.2876

 38.5663, 0.2860,  
0.5481

 66.1218, 0.3213,  
0.2754

 38.5099, 0.2867,  
0.5519

 66.6173, 0.3156,  
0.2683

# Harmonies

## Analogous

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



46.0632, 0.3356, 0.3989



46.0632, 0.2965, 0.3814



46.0632, 0.2632, 0.3469

# Triad

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



46.0632, 0.2965, 0.3814



46.0632, 0.2563, 0.2663



46.0632, 0.3872, 0.3415

# Complementary

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



46.0632, 0.2965, 0.3814



32.9142, 0.3338, 0.2819

# 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.



46.0632, 0.3633, 0.3099



46.0632, 0.2965, 0.3814



46.0632, 0.2865, 0.2681

# Square

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



46.0632, 0.2965, 0.3814



46.0632, 0.2412, 0.2802



46.0632, 0.3256, 0.2838



46.0632, 0.3894, 0.3722



# Rectangle

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



46.0632, 0.2965, 0.3814



46.0632, 0.2483, 0.3211



46.0632, 0.3256, 0.2838



46.0632, 0.3814, 0.3307

# Sweetspot

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



46.0651, 0.2965, 0.3814



91.2056, 0.3079, 0.3426



49.2228, 0.3395, 0.4015



19.4045, 0.3070, 0.3452



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

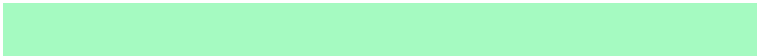


# Same Dimension

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



46.0651, 0.2965, 0.3814



80.1607, 0.2930, 0.3961



47.0541, 0.2789, 0.3428



11.3129, 0.3072, 0.3447



25.6288, 0.2860, 0.5496



1.1203, 0.2728, 0.5022



# Inverse Universe

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



32.9142, 0.3338, 0.2819



52.4461, 0.3402, 0.2705



31.9853, 0.3619, 0.3158



10.1887, 0.3187, 0.3138



8.6065, 0.4258, 0.2119



0.3842, 0.3968, 0.1960



# Previews

## White Background



This preview shows how the Yxy color 46.0632, 0.2965, 0.3814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

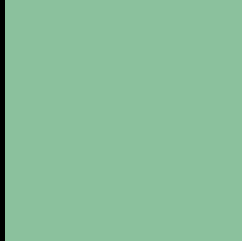
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0632, 0.2965, 0.3814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

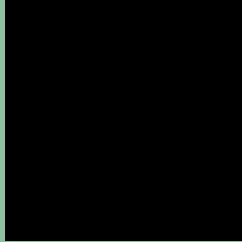
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0632, 0.2965, 0.3814**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0632, 0.2965, 0.3814.



This preview shows how white text looks on a background with the Yxy color 46.0632, 0.2965, 0.3814.

# 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

46.0632, 0.2965, 0.3814

### Protanopia

45.7917, 0.3465, 0.3685

### Deuteranopia

45.6827, 0.3514, 0.3455



## Tritanopia

46.1008, 0.2721, 0.3086

# Trichromacy



## Original Color

46.0632, 0.2965, 0.3814

## Protanomaly

45.6558, 0.3259, 0.3730

## Deuteranomaly

45.2891, 0.3288, 0.3572

## Tritanomaly

45.9601, 0.2807, 0.3331

# Monochromacy



## Original Color

46.0632, 0.2965, 0.3814

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

43.0096, 0.3067, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0632, 0.2965, 0.3814 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(139, 193, 157)` looks like.

```
.text, #text, p{  
    color:rgb(139, 193, 157)  
}
```

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(139, 193, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 193, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0632, 0.2965, 0.3814 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(139, 193, 157) }
```

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

```
.border{ border-color:rgb(139, 193, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 193, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 193, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 193, 157);  
box-shadow:4px 4px 4px 4px rgb(139, 193,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0632, 0.2965, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 193, 157) }
```

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

```
.background{ background-color: rgb(139,  
193, 157) }
```

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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