

# Converting Colors

$Yxy(60.2982, 0.2813, 0.3752)$

Have a look what the booklet for  
Yxy(60.2982, 0.2813, 0.3752)  
contains.

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# Color

**Yxy(60.2646, 0.2813, 0.3753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CDCB9
RGB	140, 220, 185
RGB Percent	55%, 86%, 73%
CMY	0.4508, 0.1373, 0.2746
CMYK	0.36, 0.00, 0.16, 0.14
HSL	154°, 53%, 71%
HSV	154°, 36%, 86%
XYZ	45.1703, 60.2646, 55.1422
YIQ	192.0900, -36.4450, -27.8450

# Conversions

## Conversions Part 2

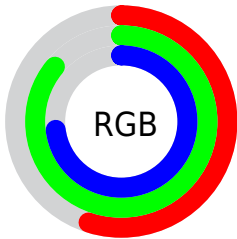
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 191, 220
Decimal	9231545
CIELab	81.98, -32.15, 9.52
CIElCh	82, 33.525, 163.510
Yxy	60.2646, 0.2813, 0.3753
Android (android.graphics.Color)	4287421625 (0xFF8CDBC9)
YUV	192.0900, -3.4954, -45.6829
Hunter-Lab	77.6303, -31.9901, 12.2264

# Details

The Yxy color **60.2646, 0.2813, 0.3753** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.0842, 0.3615, 0.2874**, and the grayscale version is **52.8113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6066, 0.2855, 0.3438**, and **30.5546, 0.2730, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **58.1491, 0.2745, 0.3908**, and if you desaturate by 10%, it is **62.7947, 0.2892, 0.3609**.

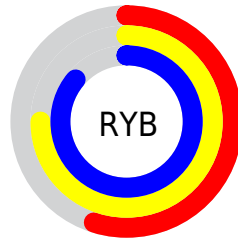
# Distribution



Red (55%)

Green (86%)

Blue (73%)



Red (55%)

Yellow (75%)

Blue (86%)

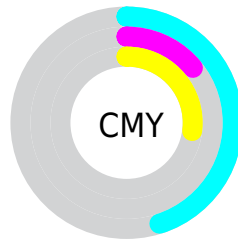


Cyan (36%)

Magenta (0%)

Yellow (16%)

Black (14%)



Cyan (45%)

Magenta (14%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2646, 0.2813, 0.3753 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 60.2646, 0.2813, 0.3753 by changing the saturation by 10% instead.





 60.2646, 0.2813,  
0.3753

 60.2646, 0.2813,  
0.3753


425.5724, 0.2967,  
0.3524

 43.6319, 0.2776,  
0.3809


 105.2134, 0.2868,  
0.3670

 30.3813, 0.2728,  
0.3881


 134.2984, 0.2889,  
0.3639

 20.1282, 0.2667,  
0.3976


168.3028, 0.2907,  
0.3613

 12.4882, 0.2582,  
0.4106

207.6113, 0.2922,  
0.3590

 7.0771, 0.2460,  
0.4297

252.6081, 0.2935,  
0.3570

 3.5104, 0.2270,  
0.4602

303.6776, 0.2947,

 1.4036, 0.1790,

0.3553

0.5280

361.2042, 0.2957,  
0.3538

0.2194, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.2646, 0.2813,  
0.3753

60.2646, 0.2813,  
0.3753

58.1491, 0.2745,  
0.3908

62.7947, 0.2892,  
0.3609

56.4174, 0.2690,  
0.4072

65.7535, 0.2978,  
0.3478

55.0459, 0.2653,  
0.4242

69.1634, 0.3068,  
0.3359

54.0057, 0.2635,  
0.4414

73.0432, 0.3161,  
0.3252

■ 53.2625, 0.2637,  
0.4585

■ 77.4105, 0.3254,  
0.3158

■ 52.7739, 0.2659,  
0.4751

■ 78.9034, 0.3224,  
0.3066

■ 52.6313, 0.2670,  
0.4810

■ 79.5002, 0.3160,  
0.2974

■ 79.6649, 0.3143,  
0.2950

# Harmonies

## Analogous

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



60.2646, 0.3230, 0.4022



60.2646, 0.2813, 0.3753



60.2646, 0.2494, 0.3340

# Triad

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



60.2646, 0.2813, 0.3753



60.2646, 0.2607, 0.2595



60.2646, 0.3980, 0.3540

# Complementary

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



60.2646, 0.2813, 0.3753



37.0842, 0.3615, 0.2874

# 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.



60.2646, 0.3793, 0.3193



60.2646, 0.2813, 0.3753



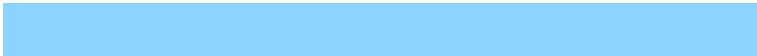
60.2646, 0.2977, 0.2670

# Square

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



60.2646, 0.2813, 0.3753



60.2646, 0.2384, 0.2685



60.2646, 0.3416, 0.2884



60.2646, 0.3917, 0.3855



# Rectangle

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



60.2646, 0.2813, 0.3753



60.2646, 0.2373, 0.3066



60.2646, 0.3416, 0.2884



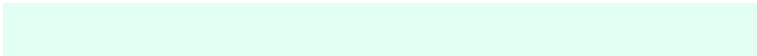
60.2646, 0.3944, 0.3424

# Sweetspot

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



60.2671, 0.2813, 0.3753



94.2967, 0.3025, 0.3414



62.3131, 0.3330, 0.4301



20.0448, 0.3013, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

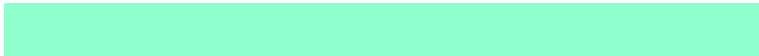


# Same Dimension

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



60.2671, 0.2813, 0.3753



81.7914, 0.2757, 0.3876



59.8588, 0.2612, 0.3238



14.7282, 0.3040, 0.3394



30.9125, 0.2663, 0.4786



2.0199, 0.2588, 0.4517



# Inverse Universe

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



37.0842, 0.3615, 0.2874



44.6478, 0.3773, 0.2783



37.0717, 0.3986, 0.3341



13.1458, 0.3223, 0.3188



9.4508, 0.5211, 0.2644

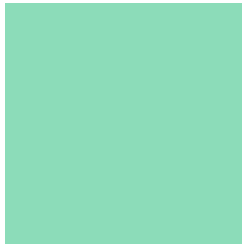


0.6294, 0.4804, 0.2420



# Previews

## White Background



This preview shows how the Yxy color 60.2646, 0.2813, 0.3753 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 60.2646, 0.2813, 0.3753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

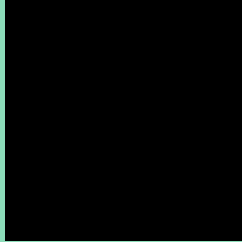
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

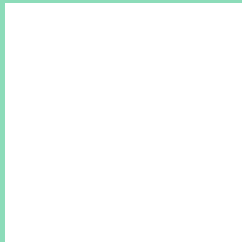
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.2646, 0.2813, 0.3753**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2646, 0.2813, 0.3753.

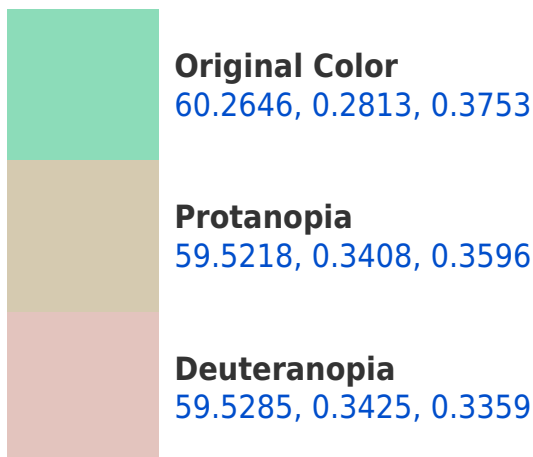


This preview shows how white text looks on a background with the Yxy color 60.2646, 0.2813, 0.3753.

# 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





## Tritanopia

60.3467, 0.2605, 0.3080

# Trichromacy



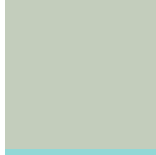
## Original Color

60.2646, 0.2813, 0.3753



## Protanomaly

59.2947, 0.3162, 0.3663



## Deuteranomaly

58.8956, 0.3171, 0.3497



## Tritanomaly

60.0778, 0.2678, 0.3314

# Monochromacy



## Original Color

60.2646, 0.2813, 0.3753



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.7994, 0.2998, 0.3456

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2646, 0.2813, 0.3753 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(140, 220, 185)` looks like.

```
.text, #text, p{  
    color:rgb(140, 220, 185)  
}
```

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(140, 220, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 220, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2646, 0.2813, 0.3753 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(140, 220, 185) }
```

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

```
.border{ border-color:rgb(140, 220, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 220, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 220, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 220, 185);  
box-shadow:4px 4px 4px 4px rgb(140, 220,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2646, 0.2813, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 220, 185) }
```

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

```
.background{ background-color: rgb(140,  
220, 185) }
```

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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