

# Converting Colors

$Yxy(60.5015, 0.2792, 0.3484)$

Have a look what the booklet for  
Yxy(60.5015, 0.2792, 0.3484)  
contains.

<b>Yxy(60.6151, 0.2795, 0.3493)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(60.6151, 0.2795, 0.3493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D9C9
RGB	153, 217, 201
RGB Percent	60%, 85%, 79%
CMY	0.3998, 0.1491, 0.2117
CMYK	0.29, 0.00, 0.07, 0.15
HSL	165°, 46%, 73%
HSV	165°, 29%, 85%
XYZ	48.5025, 60.6151, 64.4155
YIQ	196.0400, -33.0080, -18.5440

# Conversions

## Conversions Part 2

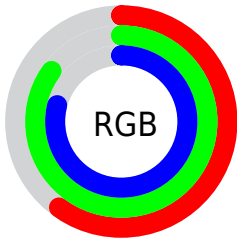
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 190, 217
Decimal	10082761
CIELab	82.17, -23.60, 1.37
CIELCh	82, 23.635, 176.689
Yxy	60.6151, 0.2795, 0.3493
Android (android.graphics.Color)	4288272841 (0xFF99D9C9)
YUV	196.0400, 2.4453, -37.7461
Hunter-Lab	77.8557, -25.0457, 5.4442

# Details

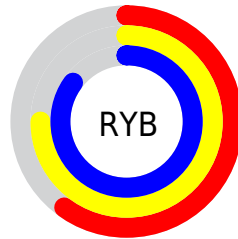
The Yxy color **60.6151, 0.2795, 0.3493** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4181, 0.3616, 0.3098**, and the grayscale version is **55.2362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **30.6566, 0.2714, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **58.4429, 0.2700, 0.3574**, and if you desaturate by 10%, it is **63.1852, 0.2901, 0.3418**.

# Distribution



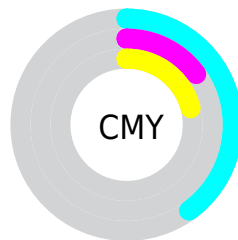
- Red (60%)
- Green (85%)
- Blue (79%)



- Red (60%)
- Yellow (75%)
- Blue (85%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)




- Cyan (40%)
- Magenta (15%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6151, 0.2795, 0.3493 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 60.6151, 0.2795, 0.3493 by changing the saturation by 10% instead.





 60.6151, 0.2795,  
0.3493


 60.6151, 0.2795,  
0.3493


426.8613, 0.2954,  
0.3396

 43.9146, 0.2757,  
0.3516


 105.7214, 0.2851,  
0.3458

 30.6034, 0.2710,  
0.3545


 134.8961, 0.2873,  
0.3445

 20.2970, 0.2649,  
0.3583


168.9975, 0.2891,  
0.3434

 12.6111, 0.2568,  
0.3634

208.4103, 0.2907,  
0.3424

 7.1613, 0.2453,  
0.3707

253.5186, 0.2921,  
0.3416

 3.5632, 0.2280,  
0.3817

304.7069, 0.2933,

 1.4324, 0.1975,

0.3408

0.4014

362.3597, 0.2944,  
0.3401

0.2404, 0.0000,  
0.5911

0.0000, 0.0000,  
0.0000

60.6151, 0.2795,  
0.3493

60.6151, 0.2795,  
0.3493

58.4429, 0.2700,  
0.3574

63.1852, 0.2901,  
0.3418

56.6404, 0.2618,  
0.3660

66.1651, 0.3015,  
0.3349

55.1870, 0.2552,  
0.3749

69.5754, 0.3134,  
0.3287


54.0574, 0.2505,  
0.3842

73.4331, 0.3255,  
0.3231


 53.2224, 0.2478,  
0.3935


 76.4895, 0.3328,  
0.3179

 52.6479, 0.2470,  
0.4029

 76.7955, 0.3290,  
0.3126

 52.2762, 0.2479,  
0.4121

 77.1110, 0.3253,  
0.3073

 52.2583, 0.2480,  
0.4126

 77.4361, 0.3216,  
0.3021

 77.7709, 0.3179,  
0.2969

# Harmonies

## Analogous

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



60.6151, 0.3072, 0.3731



60.6151, 0.2795, 0.3493



60.6151, 0.2611, 0.3203

# Triad

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



60.6151, 0.2795, 0.3493



60.6151, 0.2865, 0.2799



60.6151, 0.3729, 0.3583

# Complementary

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



60.6151, 0.2795, 0.3493



40.4181, 0.3616, 0.3098

# 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.



60.6151, 0.3671, 0.3337



60.6151, 0.2795, 0.3493



60.6151, 0.3160, 0.2899

# Square

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



60.6151, 0.2795, 0.3493



60.6151, 0.2650, 0.2815



60.6151, 0.3459, 0.3092



60.6151, 0.3616, 0.3768



# Rectangle

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



60.6151, 0.2795, 0.3493



60.6151, 0.2561, 0.3029



60.6151, 0.3459, 0.3092



60.6151, 0.3729, 0.3504

# Sweetspot

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



60.6176, 0.2795, 0.3493



95.5405, 0.3019, 0.3347



60.3629, 0.3201, 0.4116



20.3057, 0.3002, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

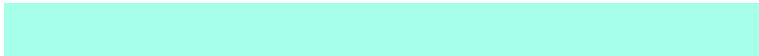


# Same Dimension

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



60.6176, 0.2795, 0.3493



85.4665, 0.2738, 0.3540



53.5647, 0.2681, 0.3085



14.7711, 0.3015, 0.3349



31.6549, 0.2476, 0.4113



2.0642, 0.2434, 0.3962



# Inverse Universe

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



40.4181, 0.3616, 0.3098



52.0743, 0.3754, 0.3058



45.4441, 0.3725, 0.3485



13.1046, 0.3253, 0.3232



9.1066, 0.5920, 0.3035

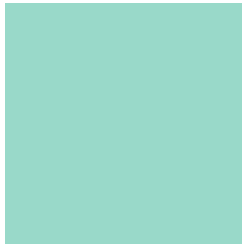


0.6038, 0.5452, 0.2777



# Previews

## White Background



This preview shows how the Yxy color 60.6151, 0.2795, 0.3493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

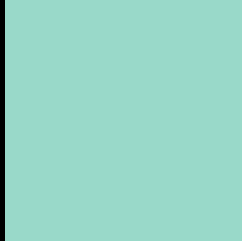
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.6151, 0.2795, 0.3493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

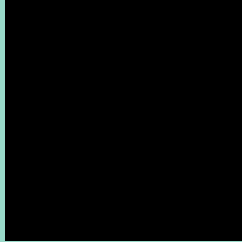
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

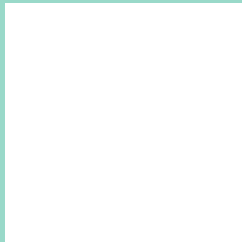
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.6151, 0.2795, 0.3493**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6151, 0.2795, 0.3493.

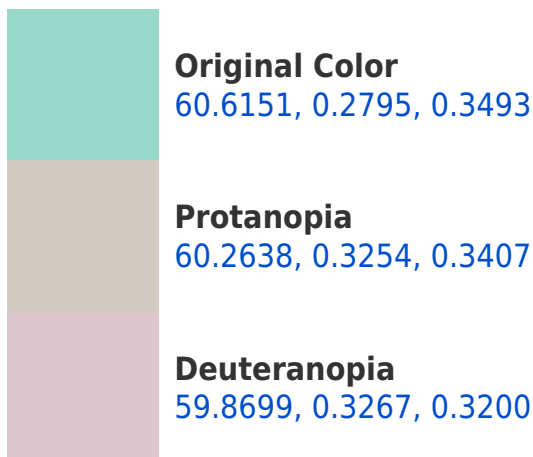


This preview shows how white text looks on a background with the Yxy color 60.6151, 0.2795, 0.3493.

# 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

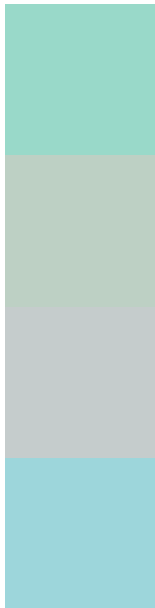




## Tritanopia

60.6726, 0.2661, 0.3082

# Trichromacy



**Original Color**

60.6151, 0.2795, 0.3493

**Protanomaly**

59.9161, 0.3068, 0.3436

**Deuteranomaly**

59.4157, 0.3074, 0.3290

**Tritanomaly**

60.3757, 0.2712, 0.3227

# Monochromacy



**Original Color**

60.6151, 0.2795, 0.3493

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.9662, 0.2989, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6151, 0.2795, 0.3493 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(153, 217, 201)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 201)  
}
```

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(153, 217, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6151, 0.2795, 0.3493 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(153, 217, 201) }
```

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

```
.border{ border-color:rgb(153, 217, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 201);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6151, 0.2795, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 201) }
```

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

```
.background{ background-color: rgb(153,  
217, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor