

# Converting Colors

$Yxy(52.1674, 0.2733, 0.3778)$

Have a look what the booklet for  
Yxy(52.1674, 0.2733, 0.3778)  
contains.

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# Color

**Yxy(52.0193, 0.2734, 0.3775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76D0AE
RGB	118, 208, 174
RGB Percent	46%, 82%, 68%
CMY	0.5370, 0.1843, 0.3176
CMYK	0.43, 0.00, 0.16, 0.18
HSL	157°, 49%, 64%
HSV	157°, 43%, 82%
XYZ	37.6744, 52.0193, 48.1058
YIQ	177.2140, -42.7260, -29.6540

# Conversions

## Conversions Part 2

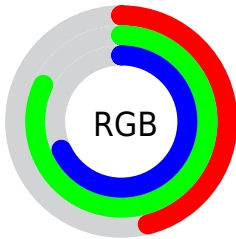
Format	Color
<a href="#">RYB</a>	<a href="#">118, 173, 208</a>
Decimal	<a href="#">7786670</a>
CIELab	<a href="#">77.29, -34.84, 8.52</a>
CIELCh	<a href="#">77, 35.862, 166.253</a>
Yxy	<a href="#">52.0193, 0.2734, 0.3775</a>
Android (android.graphics.Color)	<a href="#">4285976750</a> ( <a href="#">0xFF76D0AE</a> )
YUV	<a href="#">177.2140, -1.5845, -51.9307</a>
Hunter-Lab	<a href="#">72.1244, -32.9778, 10.9416</a>

# Details

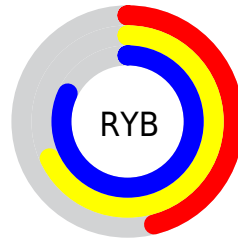
The Yxy color **52.0193, 0.2734, 0.3775** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.6497, 0.3814, 0.2863**, and the grayscale version is **44.1192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1758, 0.2798, 0.3580**, and **25.2117, 0.2619, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **50.4236, 0.2669, 0.3912**, and if you desaturate by 10%, it is **53.9582, 0.2812, 0.3646**.

# Distribution



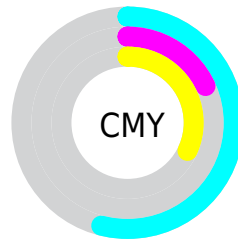
- Red (46%)
- Green (82%)
- Blue (68%)



- Red (46%)
- Yellow (68%)
- Blue (82%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)




- Cyan (54%)
- Magenta (18%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0193, 0.2734, 0.3775 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 52.0193, 0.2734, 0.3775 by changing the saturation by 10% instead.





 52.0193, 0.2734,  
0.3775


 52.0193, 0.2734,  
0.3775


394.5111, 0.2930,  
0.3529

 37.0205, 0.2685,  
0.3837


 93.1597, 0.2805,  
0.3685

 25.2233, 0.2623,  
0.3918


 120.0701, 0.2832,  
0.3652

 16.2435, 0.2540,  
0.4026


 151.7197, 0.2855,  
0.3623

 9.6966, 0.2425,  
0.4178

188.4930, 0.2874,  
0.3599

 5.1983, 0.2254,  
0.4409

230.7744, 0.2891,  
0.3578

 2.3641, 0.1979,  
0.4796

278.9483, 0.2906,

 0.8073, 0.0000,

0.3560

0.7403

333.3991, 0.2919,  
0.3544

0.0000, 0.0000,  
0.0000

52.0193, 0.2734,  
0.3775

52.0193, 0.2734,  
0.3775

50.4236, 0.2669,  
0.3912

53.9582, 0.2812,  
0.3646

49.1432, 0.2621,  
0.4055

56.2538, 0.2900,  
0.3527

48.1560, 0.2592,  
0.4201

58.9261, 0.2995,  
0.3418

47.4341, 0.2582,  
0.4348

61.9923, 0.3094,  
0.3320

46.9440, 0.2593,  
0.4493


65.4680, 0.3196,  
0.3231

 46.7044, 0.2608,  
0.4589

 69.3683, 0.3297,  
0.3153

 72.0274, 0.3332,  
0.3079

 72.4766, 0.3275,  
0.3002

 72.9458, 0.3220,  
0.2927

# Harmonies

## Analogous

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



52.0193, 0.3194, 0.4103



52.0193, 0.2734, 0.3775



52.0193, 0.2396, 0.3298

# Triad

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



52.0193, 0.2734, 0.3775



52.0193, 0.2577, 0.2518



52.0193, 0.4091, 0.3597

# Complementary

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



52.0193, 0.2734, 0.3775



28.6497, 0.3814, 0.2863

# 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.



52.0193, 0.3906, 0.3212



52.0193, 0.2734, 0.3775



52.0193, 0.3000, 0.2618

# Square

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



52.0193, 0.2734, 0.3775



52.0193, 0.2314, 0.2596



52.0193, 0.3494, 0.2865



52.0193, 0.3992, 0.3944



# Rectangle

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



52.0193, 0.2734, 0.3775



52.0193, 0.2276, 0.2995



52.0193, 0.3494, 0.2865



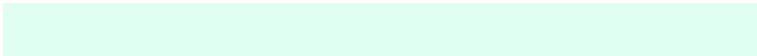
52.0193, 0.4060, 0.3469

# Sweetspot

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



52.0214, 0.2734, 0.3775



93.4653, 0.2996, 0.3417



53.1457, 0.3312, 0.4527



19.7912, 0.2974, 0.3441



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.



52.0214, 0.2734, 0.3775



80.0896, 0.2673, 0.3903



48.5708, 0.2521, 0.3144



13.3282, 0.3033, 0.3379



29.1301, 0.2603, 0.4569



1.6439, 0.2530, 0.4306



# Inverse Universe

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



28.6497, 0.3814, 0.2863



38.2754, 0.4047, 0.2779



30.3026, 0.4193, 0.3427



11.8811, 0.3232, 0.3202



8.7233, 0.5451, 0.2776



0.5030, 0.4951, 0.2501



# Previews

## White Background



This preview shows how the Yxy color 52.0193, 0.2734, 0.3775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

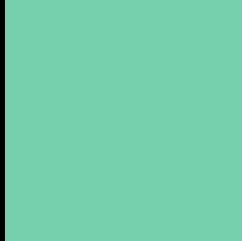
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0193, 0.2734, 0.3775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

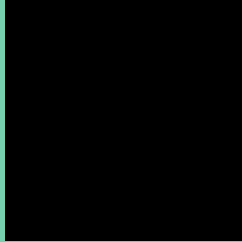
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0193, 0.2734, 0.3775**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0193, 0.2734, 0.3775.



This preview shows how white text looks on a background with the Yxy color 52.0193, 0.2734, 0.3775.

# 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

52.0193, 0.2734, 0.3775

### Protanopia

51.2176, 0.3409, 0.3604

### Deuteranopia

51.1187, 0.3411, 0.3339



## Tritanopia

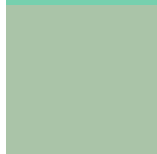
51.9701, 0.2536, 0.3077

## Trichromacy



### Original Color

52.0193, 0.2734, 0.3775



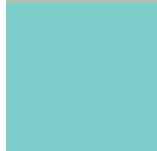
### Protanomaly

50.8531, 0.3125, 0.3663



### Deuteranomaly

50.3386, 0.3126, 0.3486



### Tritanomaly

51.8100, 0.2605, 0.3316

## Monochromacy



### Original Color

52.0193, 0.2734, 0.3775



### Achromatopsia

43.9657, 0.3127, 0.3290



### Achromatomaly

46.1689, 0.2959, 0.3456

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0193, 0.2734, 0.3775 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(118, 208, 174)` looks like.

```
.text, #text, p{  
    color:rgb(118, 208, 174)  
}
```

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(118, 208, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 208, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0193, 0.2734, 0.3775 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(118, 208, 174) }
```

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

```
.border{ border-color:rgb(118, 208, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 208, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 208, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 208, 174); box-shadow:4px 4px 4px 4px rgb(118, 208, 174) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0193, 0.2734, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 208, 174) }
```

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

```
.background{ background-color: rgb(118,  
208, 174) }
```

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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