

# Converting Colors

$Y_{xy}(42.0125, 0.2646, 0.3387)$

Have a look what the booklet for  
Yxy(42.0125, 0.2646, 0.3387)  
contains.

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# Color

**Yxy(42.0173, 0.2646, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73BAB3
RGB	115, 186, 179
RGB Percent	45%, 73%, 70%
CMY	0.5493, 0.2705, 0.2981
CMYK	0.38, 0.00, 0.04, 0.27
HSL	174°, 34%, 59%
HSV	174°, 38%, 73%
XYZ	32.7572, 42.0173, 49.0243
YIQ	163.9730, -40.0690, -17.2290

# Conversions

## Conversions Part 2

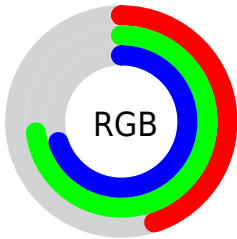
Format	Color
R <sub>Y</sub> B	115, 152, 186
Decimal	7584435
CIE Lab	70.88, -23.94, -3.49
CIE LCh	71, 24.191, 188.300
Yxy	42.0173, 0.2646, 0.3394
Android (android.graphics.Color)	4285774515 (0xFF73BAB3)
YUV	163.9730, 7.4083, -42.9493
Hunter-Lab	64.8208, -23.2314, 0.5332

# Details

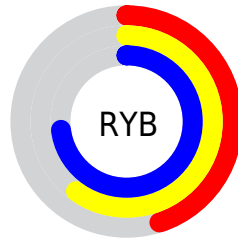
The Yxy color **42.0173, 0.2646, 0.3394** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.0897, 0.3961, 0.3193**, and the grayscale version is **37.0819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0485, 0.2733, 0.3369**, and **19.2735, 0.2511, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **40.8097, 0.2549, 0.3426**, and if you desaturate by 10%, it is **43.4837, 0.2757, 0.3364**.

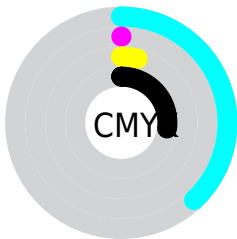
# Distribution



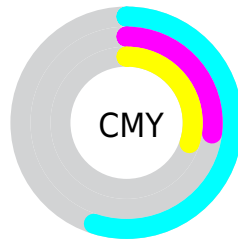
- Red (45%)
- Green (73%)
- Blue (70%)



- Red (45%)
- Yellow (60%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)




- Cyan (55%)
- Magenta (27%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0173, 0.2646, 0.3394 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 42.0173, 0.2646, 0.3394 by changing the saturation by 10% instead.





 42.0173, 0.2646,  
0.3394


 42.0173, 0.2646,  
0.3394


354.5546, 0.2888,  
0.3344

 29.1148, 0.2585,  
0.3406


 78.2258, 0.2734,  
0.3376

 19.1677, 0.2507,  
0.3420


 102.3006, 0.2768,  
0.3370

 11.7915, 0.2402,  
0.3439


 130.8684, 0.2795,  
0.3364

 6.6019, 0.2255,  
0.3463

164.3134, 0.2819,  
0.3359

 3.2144, 0.2036,  
0.3496

203.0202, 0.2840,  
0.3354

 1.2447, 0.1606,  
0.3566

247.3731, 0.2858,

 0.0977, 0.0000,

0.3351

0.2180

297.7564, 0.2874,  
0.3347

0.0000, 0.0000,  
0.0000

42.0173, 0.2646,  
0.3394

42.0173, 0.2646,  
0.3394

40.8097, 0.2549,  
0.3426

43.4837, 0.2757,  
0.3364

39.8403, 0.2470,  
0.3458

45.2179, 0.2881,  
0.3336

39.0939, 0.2408,  
0.3492


47.2346, 0.3013,  
0.3310

38.5510, 0.2366,  
0.3526

49.5462, 0.3152,  
0.3286


38.1890, 0.2342,  
0.3559

52.1641, 0.3295,  
0.3264

 37.9718, 0.2334,  
0.3593

 55.0992, 0.3439,  
0.3245

 37.9382, 0.2333,  
0.3599

 58.3619, 0.3583,  
0.3229

 60.2667, 0.3651,  
0.3212

 60.3497, 0.3635,  
0.3192

# Harmonies

## Analogous

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



42.0173, 0.2930, 0.3711



42.0173, 0.2646, 0.3394



42.0173, 0.2492, 0.3065

# Triad

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



42.0173, 0.2646, 0.3394



42.0173, 0.2948, 0.2757



42.0173, 0.3794, 0.3719

# Complementary

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



42.0173, 0.2646, 0.3394



24.0897, 0.3961, 0.3193

# 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.



42.0173, 0.3807, 0.3453



42.0173, 0.2646, 0.3394



42.0173, 0.3303, 0.2917

# Square

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



42.0173, 0.2646, 0.3394



42.0173, 0.2659, 0.2720



42.0173, 0.3623, 0.3165



42.0173, 0.3596, 0.3891



# Rectangle

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



42.0173, 0.2646, 0.3394



42.0173, 0.2477, 0.2891



42.0173, 0.3623, 0.3165



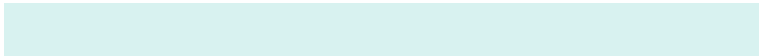
42.0173, 0.3821, 0.3637

# Sweetspot

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



42.0190, 0.2646, 0.3394



84.4601, 0.2973, 0.3317



40.5012, 0.3128, 0.4417



18.4879, 0.2955, 0.3321



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



42.0190, 0.2646, 0.3394



74.2463, 0.2562, 0.3421



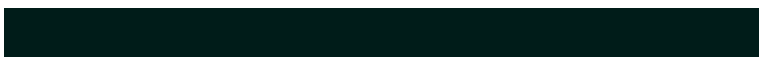
31.4965, 0.2538, 0.2847



10.1949, 0.2998, 0.3313



25.5246, 0.2332, 0.3594



0.9043, 0.2308, 0.3508



# Inverse Universe

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



24.0897, 0.3961, 0.3193



37.0525, 0.4253, 0.3173



31.4311, 0.3901, 0.3691



9.0263, 0.3273, 0.3268



7.0587, 0.6268, 0.3227

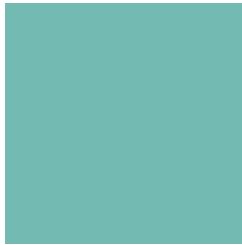


0.2537, 0.5818, 0.2979



# Previews

## White Background



This preview shows how the Yxy color 42.0173, 0.2646, 0.3394 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 42.0173, 0.2646, 0.3394 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

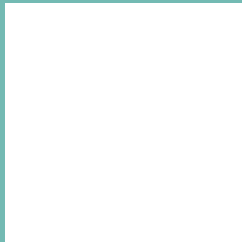
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.0173, 0.2646, 0.3394**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0173, 0.2646, 0.3394.



This preview shows how white text looks on a background with the Yxy color 42.0173, 0.2646, 0.3394.

# 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

42.0173, 0.2646, 0.3394

### Protanopia

41.6754, 0.3172, 0.3304

### Deuteranopia

41.7384, 0.3155, 0.3094



## Tritanopia

41.9373, 0.2555, 0.3072

# Trichromacy



## Original Color

42.0173, 0.2646, 0.3394

## Protanomaly

41.3703, 0.2955, 0.3332

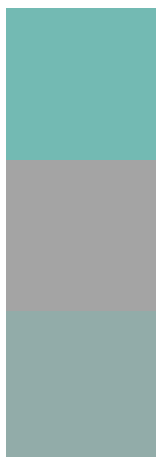
## Deuteranomaly

41.5109, 0.2943, 0.3192

## Tritanomaly

41.8941, 0.2587, 0.3186

# Monochromacy



## Original Color

42.0173, 0.2646, 0.3394

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

38.4806, 0.2925, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0173, 0.2646, 0.3394 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(115, 186, 179)` looks like.

```
.text, #text, p{  
    color:rgb(115, 186, 179)  
}
```

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(115, 186, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 186, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0173, 0.2646, 0.3394 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(115, 186, 179) }
```

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

```
.border{ border-color:rgb(115, 186, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 186, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 186, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 186, 179);  
box-shadow:4px 4px 4px 4px rgb(115, 186,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0173, 0.2646, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 186, 179) }
```

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

```
.background{ background-color: rgb(115,  
186, 179) }
```

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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