

# Converting Colors

$Yxy(44.0304, 0.2646, 0.3368)$

Have a look what the booklet for  
Yxy(44.0304, 0.2646, 0.3368)  
contains.

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# Color

**Yxy(44.2095, 0.2648, 0.3376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77BEB8
RGB	119, 190, 184
RGB Percent	47%, 75%, 72%
CMY	0.5333, 0.2549, 0.2783
CMYK	0.37, 0.00, 0.03, 0.25
HSL	175°, 35%, 61%
HSV	175°, 37%, 75%
XYZ	34.6762, 44.2095, 52.0666
YIQ	168.0870, -40.3900, -16.9180

# Conversions

## Conversions Part 2

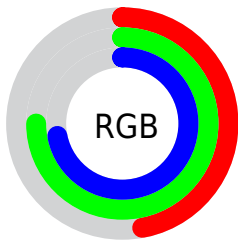
Format	Color
<a href="#">RYB</a>	<a href="#">119, 156, 190</a>
Decimal	<a href="#">7847608</a>
CIELab	<a href="#">72.37, -23.62, -4.04</a>
CIELCh	<a href="#">72, 23.967, 189.700</a>
Yxy	<a href="#">44.2095, 0.2648, 0.3376</a>
Android (android.graphics.Color)	<a href="#">4286037688 (0xFF77BEB8)</a>
YUV	<a href="#">168.0870, 7.8451, -43.0493</a>
Hunter-Lab	<a href="#">66.4902, -23.2661, 0.1148</a>

# Details

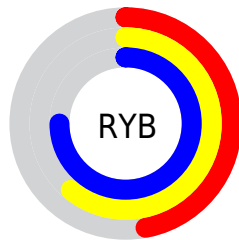
The Yxy color **44.2095, 0.2648, 0.3376** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6245, 0.3950, 0.3209**, and the grayscale version is **39.1813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8115, 0.2735, 0.3367**, and **20.3708, 0.2511, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **42.9318, 0.2549, 0.3403**, and if you desaturate by 10%, it is **45.7602, 0.2762, 0.3351**.

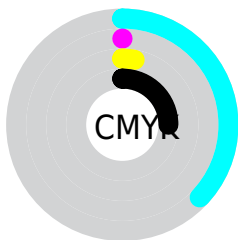
# Distribution



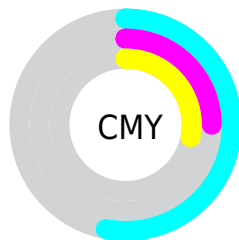
- Red (47%)
- Green (75%)
- Blue (72%)



- Red (47%)
- Yellow (61%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)




- Cyan (53%)
- Magenta (25%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2095, 0.2648, 0.3376 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 44.2095, 0.2648, 0.3376 by changing the saturation by 10% instead.





 44.2095, 0.2648,  
0.3376

 44.2095, 0.2648,  
0.3376

363.5625, 0.2887,  
0.3336


 30.8352, 0.2589,  
0.3385


 81.5329, 0.2735,  
0.3362

 20.4734, 0.2512,  
0.3396


 106.2508, 0.2767,  
0.3357

 12.7396, 0.2411,  
0.3410


 135.5188, 0.2795,  
0.3352

 7.2495, 0.2271,  
0.3428

169.7211, 0.2819,  
0.3348

 3.6186, 0.2065,  
0.3449

209.2423, 0.2839,  
0.3344

 1.4626, 0.1722,  
0.3476

254.4666, 0.2857,

 0.2622, 0.0000,

0.3341

0.3159

305.7786, 0.2873,  
0.3338

0.0000, 0.0000,  
0.0000

44.2095, 0.2648,  
0.3376

44.2095, 0.2648,  
0.3376

42.9318, 0.2549,  
0.3403

45.7602, 0.2762,  
0.3351

41.9057, 0.2466,  
0.3430

47.5935, 0.2888,  
0.3327

41.1151, 0.2403,  
0.3459


49.7247, 0.3023,  
0.3305

40.5400, 0.2358,  
0.3487

52.1666, 0.3165,  
0.3285

40.1568, 0.2331,  
0.3516


54.9314, 0.3311,  
0.3267


 39.9318, 0.2321,  
0.3544

 58.0304, 0.3457,  
0.3251

 39.8830, 0.2320,  
0.3551

 61.4745, 0.3603,  
0.3237

 62.1093, 0.3615,  
0.3221

 62.1829, 0.3601,  
0.3204

# Harmonies

## Analogous

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



44.2095, 0.2920, 0.3687



44.2095, 0.2648, 0.3376



44.2095, 0.2504, 0.3058

# Triad

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



44.2095, 0.2648, 0.3376



44.2095, 0.2968, 0.2775



44.2095, 0.3772, 0.3719

# Complementary

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



44.2095, 0.2648, 0.3376



25.6245, 0.3950, 0.3209

# 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.



44.2095, 0.3793, 0.3463



44.2095, 0.2648, 0.3376



44.2095, 0.3314, 0.2936

# Square

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



44.2095, 0.2648, 0.3376



44.2095, 0.2681, 0.2733



44.2095, 0.3622, 0.3182



44.2095, 0.3572, 0.3880



# Rectangle

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



44.2095, 0.2648, 0.3376



44.2095, 0.2495, 0.2892



44.2095, 0.3622, 0.3182



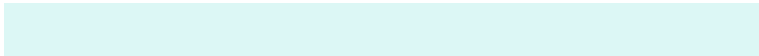
44.2095, 0.3801, 0.3641

# Sweetspot

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



44.2113, 0.2648, 0.3376



88.5698, 0.2971, 0.3313



42.6030, 0.3129, 0.4390



19.3319, 0.2952, 0.3316



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.



44.2113, 0.2648, 0.3376



78.1457, 0.2564, 0.3398



33.3424, 0.2550, 0.2858



10.7953, 0.2996, 0.3309



26.5259, 0.2319, 0.3547



1.0432, 0.2300, 0.3480



# Inverse Universe

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



25.6245, 0.3950, 0.3209



39.5151, 0.4237, 0.3193



33.2740, 0.3880, 0.3682



9.5491, 0.3275, 0.3271



7.3091, 0.6293, 0.3240

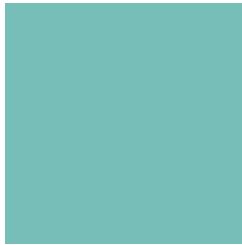


0.2908, 0.5920, 0.3035



# Previews

## White Background



This preview shows how the Yxy color 44.2095, 0.2648, 0.3376 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 44.2095, 0.2648, 0.3376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

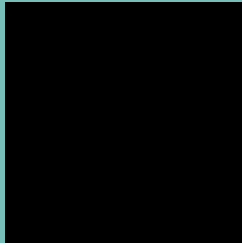
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

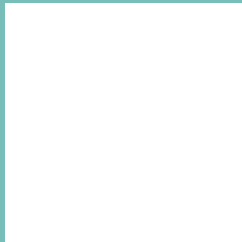
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.2095, 0.2648, 0.3376**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2095, 0.2648, 0.3376.



This preview shows how white text looks on a background with the Yxy color 44.2095, 0.2648, 0.3376.

# 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

44.2095, 0.2648, 0.3376

### Protanopia

43.8886, 0.3162, 0.3290

### Deuteranopia

43.9547, 0.3146, 0.3085



## Tritanopia

44.0900, 0.2564, 0.3077

# Trichromacy



**Original Color**

44.2095, 0.2648, 0.3376

**Protanomaly**

43.5715, 0.2951, 0.3317

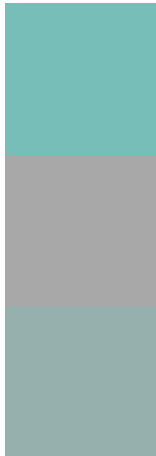
**Deuteranomaly**

43.7206, 0.2939, 0.3181

**Tritanomaly**

44.0441, 0.2596, 0.3188

# Monochromacy



**Original Color**

44.2095, 0.2648, 0.3376

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.5907, 0.2922, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2095, 0.2648, 0.3376 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(119, 190, 184)` looks like.

```
.text, #text, p{  
    color:rgb(119, 190, 184)  
}
```

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(119, 190, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 190, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2095, 0.2648, 0.3376 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(119, 190, 184) }
```

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

```
.border{ border-color:rgb(119, 190, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 190, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 190, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 190, 184);  
box-shadow:4px 4px 4px 4px rgb(119, 190,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2095, 0.2648, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 190, 184) }
```

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

```
.background{ background-color: rgb(119,  
190, 184) }
```

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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