

# Converting Colors

$Yxy(46.3763, 0.2653, 0.3403)$

Have a look what the booklet for  
Yxy(46.3763, 0.2653, 0.3403)  
contains.

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# Color

**Yxy(46.1937, 0.2656, 0.3404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79C2BA
RGB	121, 194, 186
RGB Percent	47%, 76%, 73%
CMY	0.5253, 0.2392, 0.2706
CMYK	0.38, 0.00, 0.04, 0.24
HSL	173°, 37%, 62%
HSV	173°, 38%, 76%
XYZ	36.0430, 46.1937, 53.4674
YIQ	171.2610, -40.9400, -17.9640

# Conversions

## Conversions Part 2

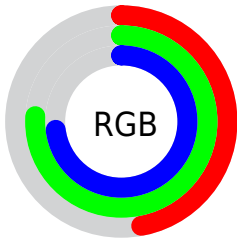
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 160, 194
Decimal	7979706
CIE <sub>Lab</sub>	73.67, -24.61, -3.18
CIE <sub>LCh</sub>	74, 24.811, 187.370
Yxy	46.1937, 0.2656, 0.3404
Android (android.graphics.Color)	4286169786 (0xFF79C2BA)
<b>YUV</b>	171.2610, 7.2663, -44.0789
Hunter-Lab	67.9659, -24.2801, 0.9339

# Details

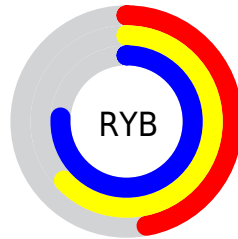
The Yxy color **46.1937, 0.2656, 0.3404** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.7393, 0.3935, 0.3183**, and the grayscale version is **40.8456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6353, 0.2739, 0.3388**, and **21.6429, 0.2524, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **44.8417, 0.2559, 0.3439**, and if you desaturate by 10%, it is **47.8326, 0.2767, 0.3371**.

# Distribution



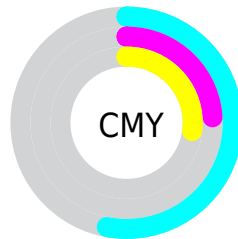
- Red (47%)
- Green (76%)
- Blue (73%)



- Red (47%)
- Yellow (63%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)




- Cyan (53%)
- Magenta (24%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1937, 0.2656, 0.3404 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 46.1937, 0.2656, 0.3404 by changing the saturation by 10% instead.



 46.1937, 0.2656,  
0.3404

 46.1937, 0.2656,  
0.3404


371.5868, 0.2890,  
0.3350

 32.3987, 0.2598,  
0.3417


 84.5088, 0.2740,  
0.3385

 21.6662, 0.2525,  
0.3433


 109.7977, 0.2772,  
0.3377

 13.6118, 0.2427,  
0.3453


 139.6867, 0.2799,  
0.3371

 7.8512, 0.2293,  
0.3480

174.5602, 0.2823,  
0.3366

 3.9999, 0.2097,  
0.3516

214.8025, 0.2843,  
0.3361

 1.6735, 0.1784,  
0.3564

260.7982, 0.2860,

 0.4064, 0.0000,

0.3357

0.3793

312.9315, 0.2876,  
0.3353

0.0000, 0.0000,  
0.0000

46.1937, 0.2656,  
0.3404

46.1937, 0.2656,  
0.3404

44.8417, 0.2559,  
0.3439

47.8326, 0.2767,  
0.3371

43.7540, 0.2479,  
0.3476

49.7685, 0.2890,  
0.3339

42.9138, 0.2418,  
0.3513

52.0175, 0.3022,  
0.3310


42.2996, 0.2375,  
0.3551


54.5934, 0.3161,  
0.3284


41.8866, 0.2351,  
0.3589


57.5086, 0.3302,  
0.3260

 41.6387, 0.2344,  
0.3626

 60.7753, 0.3445,  
0.3239

 41.5891, 0.2343,  
0.3635

 64.0548, 0.3572,  
0.3220

 64.1556, 0.3555,  
0.3198

 64.2578, 0.3538,  
0.3176

# Harmonies

## Analogous

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



46.1937, 0.2941, 0.3717



46.1937, 0.2656, 0.3404



46.1937, 0.2498, 0.3076

# Triad

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



46.1937, 0.2656, 0.3404



46.1937, 0.2939, 0.2757



46.1937, 0.3794, 0.3710

# Complementary

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



46.1937, 0.2656, 0.3404



26.7393, 0.3935, 0.3183

# 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.



46.1937, 0.3800, 0.3443



46.1937, 0.2656, 0.3404



46.1937, 0.3291, 0.2913

# Square

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



46.1937, 0.2656, 0.3404



46.1937, 0.2654, 0.2725



46.1937, 0.3612, 0.3158



46.1937, 0.3601, 0.3884



# Rectangle

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



46.1937, 0.2656, 0.3404



46.1937, 0.2480, 0.2900



46.1937, 0.3612, 0.3158



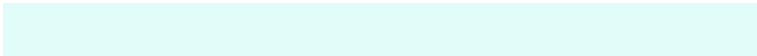
46.1937, 0.3818, 0.3627

# Sweetspot

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



46.1955, 0.2656, 0.3404



92.7248, 0.2974, 0.3320



44.6746, 0.3138, 0.4397



20.1810, 0.2956, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

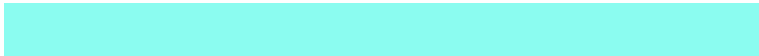


# Same Dimension

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



46.1955, 0.2656, 0.3404



81.6702, 0.2576, 0.3432



35.2462, 0.2548, 0.2872



11.4088, 0.2999, 0.3315



27.3516, 0.2342, 0.3630



1.1873, 0.2319, 0.3547



# Inverse Universe

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



26.7393, 0.3935, 0.3183



41.4451, 0.4206, 0.3162



34.3475, 0.3894, 0.3669



10.0955, 0.3272, 0.3265



7.5832, 0.6254, 0.3219

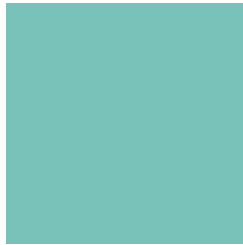


0.3338, 0.5820, 0.2980



# Previews

## White Background



This preview shows how the Yxy color 46.1937, 0.2656, 0.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

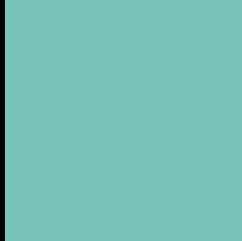
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.1937, 0.2656, 0.3404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

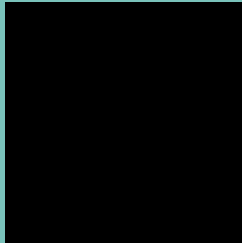
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

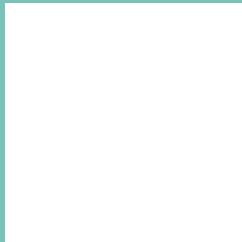
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.1937, 0.2656, 0.3404**

## Background



This preview shows how black text looks on a background with the Yxy color 46.1937, 0.2656, 0.3404.



This preview shows how white text looks on a background with the Yxy color 46.1937, 0.2656, 0.3404.

# 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

46.1937, 0.2656, 0.3404

### Protanopia

45.6449, 0.3179, 0.3303

### Deuteranopia

45.7151, 0.3162, 0.3101



## Tritanopia

46.1535, 0.2562, 0.3081

# Trichromacy



## Original Color

46.1937, 0.2656, 0.3404

## Protanomaly

45.1942, 0.2961, 0.3331

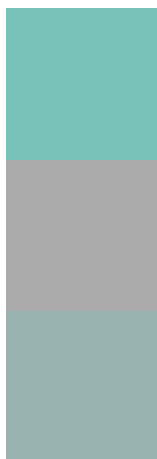
## Deuteranomaly

45.3455, 0.2950, 0.3196

## Tritanomaly

46.1079, 0.2592, 0.3190

# Monochromacy



## Original Color

46.1937, 0.2656, 0.3404

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

42.1471, 0.2932, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1937, 0.2656, 0.3404 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(121, 194, 186)` looks like.

```
.text, #text, p{  
    color:rgb(121, 194, 186)  
}
```

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(121, 194, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 194, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1937, 0.2656, 0.3404 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(121, 194, 186) }
```

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

```
.border{ border-color:rgb(121, 194, 186) }
```

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

Here you see how a box with a 4 pixel rgb(121, 194, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 194, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 194, 186);  
box-shadow:4px 4px 4px 4px rgb(121, 194,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1937, 0.2656, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 194, 186) }
```

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

```
.background{ background-color: rgb(121,  
194, 186) }
```

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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