

# Converting Colors

$Y_{xy}(46.6635, 0.2602, 0.3404)$

Have a look what the booklet for  
Yxy(46.6635, 0.2602, 0.3404)  
contains.

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# Color

**Yxy(46.6214, 0.2602, 0.3404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71C4BC
RGB	113, 196, 188
RGB Percent	44%, 77%, 74%
CMY	0.5565, 0.2314, 0.2627
CMYK	0.42, 0.00, 0.04, 0.23
HSL	174°, 41%, 61%
HSV	174°, 42%, 77%
XYZ	35.6372, 46.6214, 54.7021
YIQ	170.2710, -46.9000, -20.0840

# Conversions

## Conversions Part 2

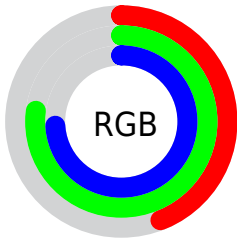
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 157, 196
Decimal	7455932
CIELab	73.95, -27.16, -3.91
CIElCh	74, 27.439, 188.197
Yxy	46.6214, 0.2602, 0.3404
Android (android.graphics.Color)	4285646012 (0xFF71C4BC)
YUV	170.2710, 8.7404, -50.2267
Hunter-Lab	68.2799, -26.3257, 0.2960

# Details

The Yxy color **46.6214, 0.2602, 0.3404** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.9495, 0.4103, 0.3186**, and the grayscale version is **40.3261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2172, 0.2697, 0.3388**, and **21.9651, 0.2457, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **45.3784, 0.2512, 0.3435**, and if you desaturate by 10%, it is **48.1499, 0.2708, 0.3374**.

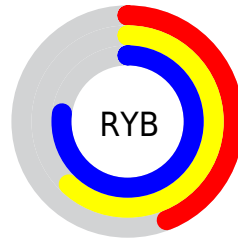
# Distribution



Red (44%)

Green (77%)

Blue (74%)



Red (44%)

Yellow (62%)

Blue (77%)

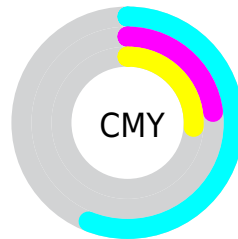


Cyan (42%)

Magenta (0%)

Yellow (4%)

Black (23%)



Cyan (56%)

Magenta (23%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6214, 0.2602, 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 46.6214, 0.2602, 0.3404 by changing the saturation by 10% instead.




 46.6214, 0.2602,  
0.3404

 46.6214, 0.2602,  
0.3404


373.3013, 0.2862,  
0.3351

 32.7365, 0.2538,  
0.3416


 85.1482, 0.2696,  
0.3385

 21.9246, 0.2457,  
0.3431


 110.5589, 0.2731,  
0.3378

 13.8015, 0.2350,  
0.3450


 140.5802, 0.2761,  
0.3372

 7.9828, 0.2204,  
0.3474

175.5967, 0.2787,  
0.3367

 4.0839, 0.1991,  
0.3505

215.9926, 0.2809,  
0.3362

 1.7206, 0.1656,  
0.3542

262.1524, 0.2829,

 0.4370, 0.0000,

0.3358

0.3684

314.4605, 0.2846,  
0.3354

0.0000, 0.0000,  
0.0000

46.6214, 0.2602,  
0.3404

46.6214, 0.2602,  
0.3404

45.3784, 0.2512,  
0.3435

48.1499, 0.2708,  
0.3374

44.3972, 0.2439,  
0.3468

49.9750, 0.2827,  
0.3346

43.6592, 0.2386,  
0.3501

52.1139, 0.2957,  
0.3319


43.1409, 0.2351,  
0.3534

54.5808, 0.3095,  
0.3295

42.8146, 0.2335,  
0.3566


57.3891, 0.3237,  
0.3273

 42.6537, 0.2331,  
0.3591

 60.5515, 0.3382,  
0.3254

 64.0800, 0.3527,  
0.3236

 65.0512, 0.3550,  
0.3218

 65.1418, 0.3535,  
0.3198

# Harmonies

## Analogous

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



46.6214, 0.2911, 0.3755



46.6214, 0.2602, 0.3404



46.6214, 0.2435, 0.3042

# Triad

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



46.6214, 0.2602, 0.3404



46.6214, 0.2929, 0.2710



46.6214, 0.3858, 0.3755

# Complementary

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



46.6214, 0.2602, 0.3404



24.9495, 0.4103, 0.3186

# 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.



46.6214, 0.3872, 0.3464



46.6214, 0.2602, 0.3404



46.6214, 0.3317, 0.2883

# Square

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



46.6214, 0.2602, 0.3404



46.6214, 0.2615, 0.2669



46.6214, 0.3670, 0.3152



46.6214, 0.3640, 0.3948



# Rectangle

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



46.6214, 0.2602, 0.3404



46.6214, 0.2419, 0.2853



46.6214, 0.3670, 0.3152



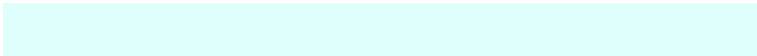
46.6214, 0.3888, 0.3665

# Sweetspot

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



46.6232, 0.2602, 0.3404



94.0421, 0.2945, 0.3322



44.7623, 0.3126, 0.4563



19.9346, 0.2915, 0.3327



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.



46.6232, 0.2602, 0.3404



82.3160, 0.2516, 0.3434



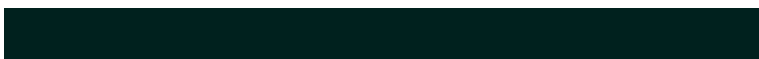
33.6377, 0.2475, 0.2789



11.4112, 0.2997, 0.3312



27.4176, 0.2330, 0.3587



1.1896, 0.2309, 0.3514



# Inverse Universe

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



24.9495, 0.4103, 0.3186



37.7342, 0.4457, 0.3166



33.5656, 0.4014, 0.3735



10.0933, 0.3274, 0.3268



7.5766, 0.6276, 0.3231

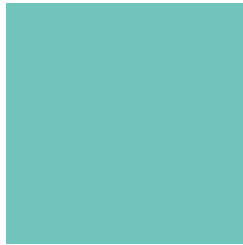


0.3328, 0.5883, 0.3015



# Previews

## White Background



This preview shows how the Yxy color 46.6214, 0.2602, 0.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

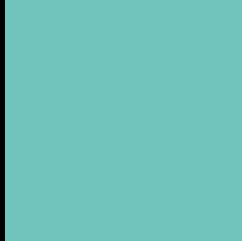
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.6214, 0.2602, 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

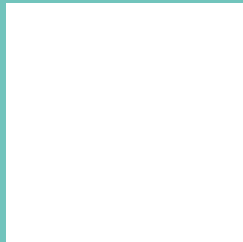
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.6214, 0.2602, 0.3404**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6214, 0.2602, 0.3404.

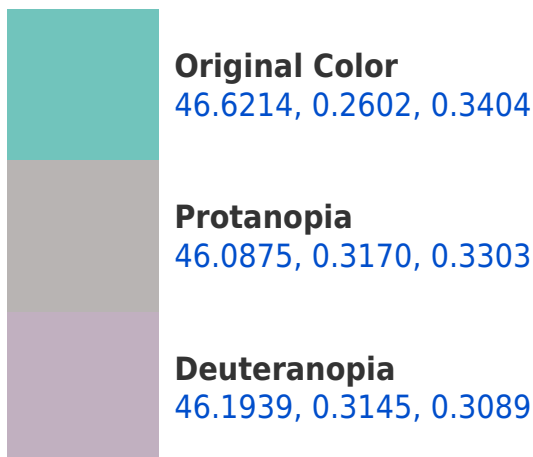


This preview shows how white text looks on a background with the Yxy color 46.6214, 0.2602, 0.3404.

# 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

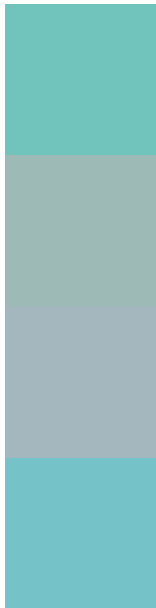




## Tritanopia

46.6159, 0.2515, 0.3080

# Trichromacy



**Original Color**

46.6214, 0.2602, 0.3404

**Protanomaly**

45.7643, 0.2931, 0.3344

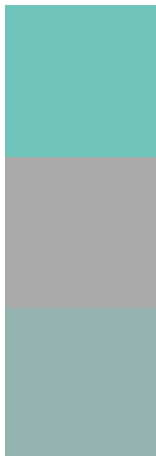
**Deuteranomaly**

45.5211, 0.2911, 0.3182

**Tritanomaly**

46.5825, 0.2545, 0.3190

# Monochromacy



**Original Color**

46.6214, 0.2602, 0.3404

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.8041, 0.2893, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6214, 0.2602, 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(113, 196, 188)` looks like.

```
.text, #text, p{  
    color:rgb(113, 196, 188)  
}
```

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(113, 196, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 196, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6214, 0.2602, 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(113, 196, 188) }
```

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

```
.border{ border-color:rgb(113, 196, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 196, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 196, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 196, 188); box-shadow:4px 4px 4px 4px rgb(113, 196, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6214, 0.2602, 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(113, 196, 188) }
```

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

```
.background{ background-color: rgb(113,  
196, 188) }
```

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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