

# Converting Colors

$Yxy(46.0831, 0.2627, 0.3603)$

Have a look what the booklet for  
Yxy(46.0831, 0.2627, 0.3603)  
contains.

<b>Yxy(46.0704, 0.2629, 0.3602)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.0704, 0.2629, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C5B0
RGB	105, 197, 176
RGB Percent	41%, 77%, 69%
CMY	0.5884, 0.2274, 0.3097
CMYK	0.47, 0.00, 0.11, 0.23
HSL	166°, 44%, 59%
HSV	166°, 47%, 77%
XYZ	33.6255, 46.0704, 48.2064
YIQ	167.0980, -48.0910, -26.0350

# Conversions

## Conversions Part 2

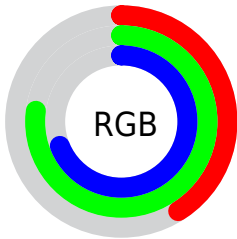
Format	Color
<a href="#">RYB</a>	<a href="#">105, 157, 197</a>
Decimal	<a href="#">6931888</a>
CIELab	<a href="#">73.59, -32.54, 2.03</a>
CIELCh	<a href="#">74, 32.604, 176.422</a>
Yxy	<a href="#">46.0704, 0.2629, 0.3602</a>
Android (android.graphics.Color)	<a href="#">4285121968</a> ( <a href="#">0xFF69C5B0</a> )
YUV	<a href="#">167.0980, 4.3887, -54.4599</a>
Hunter-Lab	<a href="#">67.8752, -30.3523, 5.4036</a>

# Details

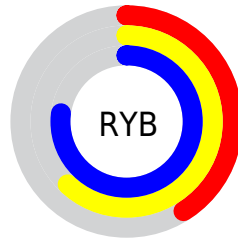
The Yxy color **46.0704, 0.2629, 0.3602** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4688, 0.4088, 0.3014**, and the grayscale version is **38.6852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2869, 0.2716, 0.3539**, and **21.7045, 0.2488, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **44.8401, 0.2557, 0.3682**, and if you desaturate by 10%, it is **47.5865, 0.2717, 0.3526**.

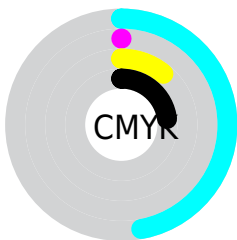
# Distribution



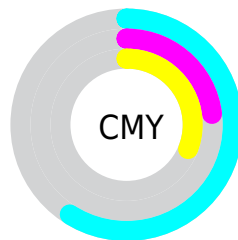
- Red (41%)
- Green (77%)
- Blue (69%)



- Red (41%)
- Yellow (62%)
- Blue (77%)



- Cyan (47%)
- Magenta (0%)
- Yellow (11%)
- Black (23%)



- Cyan (59%)
- Magenta (23%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0704, 0.2629, 0.3602 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 46.0704, 0.2629, 0.3602 by changing the saturation by 10% instead.





 46.0704, 0.2629,  
0.3602


 46.0704, 0.2629,  
0.3602


371.0916, 0.2878,  
0.3445


 32.3014, 0.2567,  
0.3642


 84.3243, 0.2720,  
0.3544


 21.5918, 0.2487,  
0.3693


 109.5781, 0.2754,  
0.3523

 13.5573, 0.2381,  
0.3762


 139.4288, 0.2782,  
0.3505

 7.8134, 0.2234,  
0.3858

 174.2610, 0.2807,  
0.3489

 3.9758, 0.2017,  
0.4003

214.4589, 0.2828,  
0.3476

 1.6600, 0.1632,  
0.4261

260.4071, 0.2847,

 0.3976, 0.0000,

0.3464

0.5777

312.4898, 0.2864,  
0.3454

0.0000, 0.0000,  
0.0000

46.0704, 0.2629,  
0.3602

46.0704, 0.2629,  
0.3602

44.8401, 0.2557,  
0.3682

47.5865, 0.2717,  
0.3526

43.8707, 0.2502,  
0.3764

49.4005, 0.2817,  
0.3455

43.1421, 0.2467,  
0.3848


51.5302, 0.2928,  
0.3388


42.6288, 0.2451,  
0.3932

53.9908, 0.3045,  
0.3328

42.2969, 0.2454,  
0.4016

56.7961, 0.3167,  
0.3273

 42.2069, 0.2456,  
0.4043

 59.9593, 0.3291,  
0.3223

 63.4929, 0.3415,  
0.3180

 65.9475, 0.3478,  
0.3138

 66.1772, 0.3442,  
0.3092

# Harmonies

## Analogous

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



46.0704, 0.3038, 0.3978



46.0704, 0.2629, 0.3602



46.0704, 0.2364, 0.3149

# Triad

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



46.0704, 0.2629, 0.3602



46.0704, 0.2728, 0.2569



46.0704, 0.4038, 0.3704

# Complementary

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



46.0704, 0.2629, 0.3602



23.4688, 0.4088, 0.3014

# 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.



46.0704, 0.3952, 0.3341



46.0704, 0.2629, 0.3602



46.0704, 0.3165, 0.2716

# Square

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



46.0704, 0.2629, 0.3602



46.0704, 0.2419, 0.2586



46.0704, 0.3623, 0.2990



46.0704, 0.3861, 0.3998



# Rectangle

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



46.0704, 0.2629, 0.3602



46.0704, 0.2293, 0.2888



46.0704, 0.3623, 0.2990



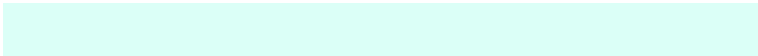
46.0704, 0.4040, 0.3587

# Sweetspot

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



46.0722, 0.2629, 0.3602



93.3336, 0.2957, 0.3372



45.4237, 0.3212, 0.4679



19.7807, 0.2932, 0.3386



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.



46.0722, 0.2629, 0.3602



80.2760, 0.2556, 0.3683



36.7120, 0.2445, 0.2920



12.0246, 0.3014, 0.3343



27.7718, 0.2453, 0.4032



1.3254, 0.2405, 0.3858



# Inverse Universe

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



23.4688, 0.4088, 0.3014



34.9292, 0.4428, 0.2966



28.7224, 0.4221, 0.3620



10.6759, 0.3254, 0.3238



7.9425, 0.5976, 0.3066

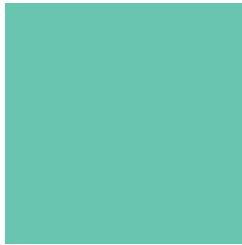


0.3875, 0.5373, 0.2734



# Previews

## White Background



This preview shows how the Yxy color 46.0704, 0.2629, 0.3602 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 46.0704, 0.2629, 0.3602 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

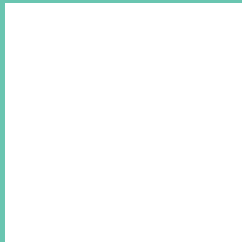
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0704, 0.2629, 0.3602**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0704, 0.2629, 0.3602.

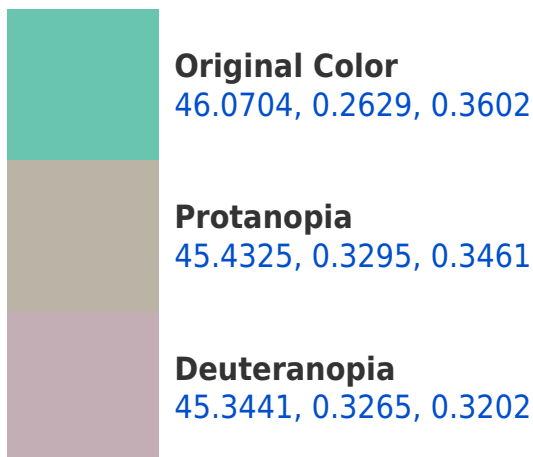


This preview shows how white text looks on a background with the Yxy color 46.0704, 0.2629, 0.3602.

# 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

45.8307, 0.2485, 0.3064

# Trichromacy



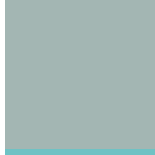
## Original Color

46.0704, 0.2629, 0.3602



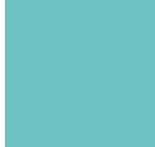
## Protanomaly

45.1882, 0.3010, 0.3513



## Deuteranomaly

44.4971, 0.2992, 0.3331



## Tritanomaly

45.9486, 0.2540, 0.3260

# Monochromacy



## Original Color

46.0704, 0.2629, 0.3602



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

40.6724, 0.2904, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0704, 0.2629, 0.3602 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(105, 197, 176)` looks like.

```
.text, #text, p{  
    color:rgb(105, 197, 176)  
}
```

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(105, 197, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 197, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0704, 0.2629, 0.3602 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(105, 197, 176) }
```

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

```
.border{ border-color:rgb(105, 197, 176) }
```

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

Here you see how a box with a 4 pixel rgb(105, 197, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 197, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 197, 176);  
box-shadow:4px 4px 4px 4px rgb(105, 197,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0704, 0.2629, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 197, 176) }
```

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

```
.background{ background-color: rgb(105,  
197, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor