

Converting Colors

$Y_{xy}(46.8598, 0.2704, 0.3795)$

Have a look what the booklet for
Yxy(46.8598, 0.2704, 0.3795)
contains.

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Color

Yxy(46.7258, 0.2703, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	6BC7A6
RGB	107, 199, 166
RGB Percent	42%, 78%, 65%
CMY	0.5808, 0.2195, 0.3491
CMYK	0.46, 0.00, 0.17, 0.22
HSL	158°, 45%, 60%
HSV	158°, 46%, 78%
XYZ	33.3597, 46.7258, 43.3318
YIQ	167.7300, -44.2390, -29.7670

Conversions

Conversions Part 2

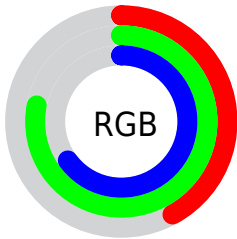
Format	Color
R _Y B	107, 163, 199
Decimal	7063462
CIE Lab	74.01, -35.30, 8.09
CIE LCh	74, 36.212, 167.098
Yxy	46.7258, 0.2703, 0.3786
Android (android.graphics.Color)	4285253542 (0xFF6BC7A6)
YUV	167.7300, -0.8529, -53.2602
Hunter-Lab	68.3563, -32.5107, 10.2648

Details

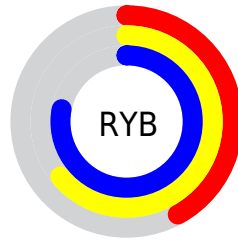
The Yxy color **46.7258, 0.2703, 0.3786** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5303, 0.3908, 0.2859**, and the grayscale version is **39.0281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5270, 0.2781, 0.3678**, and **22.1438, 0.2583, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **45.3796, 0.2641, 0.3917**, and if you desaturate by 10%, it is **48.3741, 0.2779, 0.3662**.

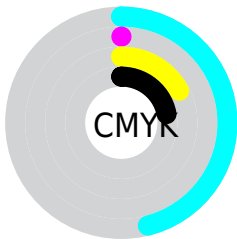
Distribution



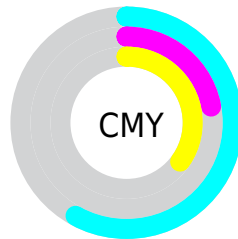
- Red (42%)
- Green (78%)
- Blue (65%)



- Red (42%)
- Yellow (64%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7258, 0.2703, 0.3786 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 46.7258, 0.2703, 0.3786 by changing the saturation by 10% instead.


 46.7258, 0.2703,
0.3786

 46.7258, 0.2703,
0.3786


373.7190, 0.2918,
0.3530


 32.8189, 0.2648,
0.3852


 85.3042, 0.2782,
0.3691

 21.9878, 0.2578,
0.3939


 110.7445, 0.2811,
0.3656

 13.8479, 0.2483,
0.4057


 140.7981, 0.2836,
0.3627

 8.0150, 0.2349,
0.4226

 175.8493, 0.2857,
0.3602

 4.1045, 0.2147,
0.4490

216.2827, 0.2876,
0.3580

 1.7322, 0.1762,
0.4980

262.4825, 0.2892,

 0.4444, 0.0000,

0.3562

1.0000

314.8331, 0.2906,
0.3545

0.0000, 0.0000,
0.0000

46.7258, 0.2703,
0.3786

46.7258, 0.2703,
0.3786

45.3796, 0.2641,
0.3917

48.3741, 0.2779,
0.3662

44.3098, 0.2597,
0.4052

50.3369, 0.2866,
0.3547

43.4958, 0.2571,
0.4191


52.6327, 0.2962,
0.3442

42.9114, 0.2566,
0.4329

55.2770, 0.3062,
0.3345

42.5231, 0.2580,
0.4465

58.2842, 0.3166,
0.3259

 42.4050, 0.2588,
0.4515

 61.6679, 0.3270,
0.3182

 65.4412, 0.3373,
0.3114

 67.4470, 0.3388,
0.3047

 67.8403, 0.3334,
0.2976

Harmonies

Analogous

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



46.7258, 0.3180, 0.4138



46.7258, 0.2703, 0.3786



46.7258, 0.2357, 0.3282

Triad

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



46.7258, 0.2703, 0.3786



46.7258, 0.2563, 0.2486



46.7258, 0.4137, 0.3618

Complementary

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



46.7258, 0.2703, 0.3786



24.5303, 0.3908, 0.2859

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.



46.7258, 0.3952, 0.3218



46.7258, 0.2703, 0.3786



46.7258, 0.3008, 0.2595

Square

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



46.7258, 0.2703, 0.3786



46.7258, 0.2284, 0.2560



46.7258, 0.3524, 0.2855



46.7258, 0.4023, 0.3979

Rectangle

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



46.7258, 0.2703, 0.3786



46.7258, 0.2236, 0.2967



46.7258, 0.3524, 0.2855



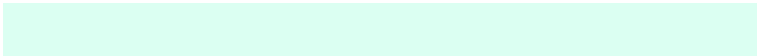
46.7258, 0.4108, 0.3485

Sweetspot

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



46.7277, 0.2703, 0.3786



93.0495, 0.2982, 0.3421



47.5491, 0.3307, 0.4624



19.7112, 0.2961, 0.3443



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.



46.7277, 0.2703, 0.3786



79.3280, 0.2638, 0.3924



42.6726, 0.2483, 0.3109



12.0005, 0.3031, 0.3374



27.2790, 0.2582, 0.4497



1.3051, 0.2504, 0.4214

Inverse Universe

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



24.5303, 0.3908, 0.2859



35.5512, 0.4191, 0.2775



26.4410, 0.4290, 0.3455



10.6987, 0.3234, 0.3207



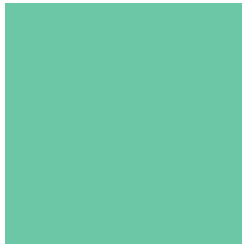
8.1184, 0.5521, 0.2815



0.3982, 0.4940, 0.2495

Previews

White Background



This preview shows how the Yxy color 46.7258, 0.2703, 0.3786 looks on a white background.

Color Contrast Check

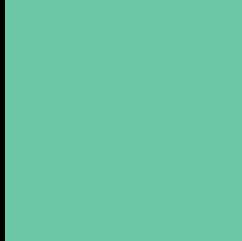
Large Text (above 18pt) WCAG AA × Fail

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 46.7258, 0.2703, 0.3786 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 46.7258, 0.2703, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 46.7258, 0.2703, 0.3786.

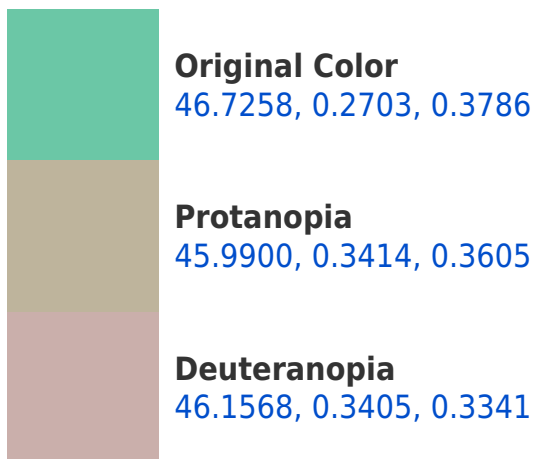


This preview shows how white text looks on a background with the Yxy color 46.7258, 0.2703, 0.3786.

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

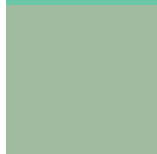
46.5949, 0.2504, 0.3066

Trichromacy



Original Color

46.7258, 0.2703, 0.3786



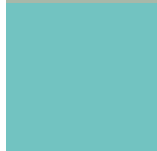
Protanomaly

45.5523, 0.3109, 0.3668



Deuteranomaly

45.3610, 0.3101, 0.3495



Tritanomaly

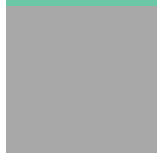
46.4579, 0.2576, 0.3317

Monochromacy



Original Color

46.7258, 0.2703, 0.3786



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.1412, 0.2943, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7258, 0.2703, 0.3786 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(107, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(107, 199, 166)  
}
```

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(107, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 166) }
```

Border

The CSS property to change the border of an element to Yxy 46.7258, 0.2703, 0.3786 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(107, 199, 166) }
```

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

```
.border{ border-color:rgb(107, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(107, 199,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7258, 0.2703, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 166) }
```

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

```
.background{ background-color: rgb(107,  
199, 166) }
```

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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