

Converting Colors

$Y_{xy}(46.6465, 0.2405, 0.3284)$

Have a look what the booklet for
Yxy(46.6465, 0.2405, 0.3284)
contains.

Yxy(46.7642, 0.2405, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7642, 0.2405, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	52C7C7
RGB	82, 199, 199
RGB Percent	32%, 78%, 78%
CMY	0.6788, 0.2196, 0.2196
CMYK	0.59, 0.00, 0.00, 0.22
HSL	180°, 51%, 55%
HSV	180°, 59%, 78%
XYZ	34.2056, 46.7642, 61.2571
YIQ	164.0170, -69.7320, -24.8040

Conversions

Conversions Part 2

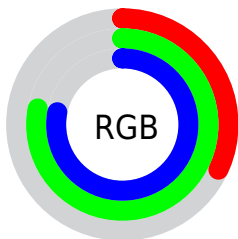
Format	Color
RYB	82, 141, 199
Decimal	5425095
CIELab	74.04, -32.45, -9.87
CIELCh	74, 33.915, 196.913
Yxy	46.7642, 0.2405, 0.3288
Android (android.graphics.Color)	4283615175 (0xFF52C7C7)
YUV	164.0170, 17.2466, -71.9289
Hunter-Lab	68.3844, -30.3877, -5.2416

Details

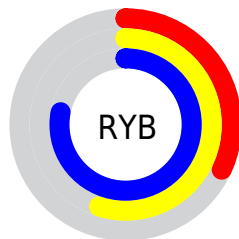
The Yxy color **46.7642, 0.2405, 0.3288** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.7722, 0.4930, 0.3295**, and the grayscale version is **37.0636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **22.2951, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **46.0006, 0.2339, 0.3288**, and if you desaturate by 10%, it is **47.7900, 0.2490, 0.3288**.

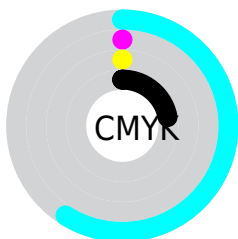
Distribution



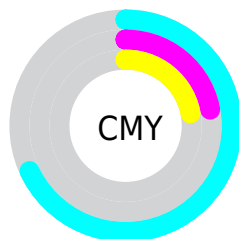
- Red (32%)
- Green (78%)
- Blue (78%)



- Red (32%)
- Yellow (55%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (68%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7642, 0.2405, 0.3288 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 46.7642, 0.2405, 0.3288 by changing the saturation by 10% instead.


 46.7642, 0.2405,
0.3288

 46.7642, 0.2405,
0.3288


373.8725, 0.2758,
0.3298


 32.8493, 0.2320,
0.3283


 85.3615, 0.2531,
0.3294


 22.0110, 0.2213,
0.3275


 110.8128, 0.2579,
0.3295

 13.8650, 0.2074,
0.3261


 140.8782, 0.2620,
0.3296

 8.0268, 0.1886,
0.3237


 175.9422, 0.2655,
0.3297

 4.1121, 0.1623,
0.3190

216.3893, 0.2686,
0.3297

 1.7365, 0.1221,
0.3094

262.6038, 0.2713,

 0.4471, 0.0000,

0.3298

0.2727

314.9701, 0.2736,
0.3298

0.0000, 0.0000,
0.0000

46.7642, 0.2405,
0.3288

46.7642, 0.2405,
0.3288

46.0006, 0.2339,
0.3288

47.7900, 0.2490,
0.3288

45.4706, 0.2292,
0.3288

49.0929, 0.2594,
0.3289

45.1490, 0.2262,
0.3288

50.6929, 0.2713,
0.3289

44.9909, 0.2248,
0.3288

52.6070, 0.2847,
0.3289

44.9760, 0.2247,
0.3288

54.8504, 0.2992,
0.3290

■ 57.4379, 0.3145,
0.3290

■ 60.3828, 0.3304,
0.3291

■ 63.6982, 0.3464,
0.3291

■ 66.2371, 0.3577,
0.3291

Harmonies

Analogous

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



46.7642, 0.2733, 0.3755



46.7642, 0.2405, 0.3288



46.7642, 0.2266, 0.2867

Triad

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



46.7642, 0.2405, 0.3288



46.7642, 0.3014, 0.2634



46.7642, 0.3970, 0.3938

Complementary

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



46.7642, 0.2405, 0.3288



18.7722, 0.4930, 0.3295

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.



46.7642, 0.4072, 0.3600



46.7642, 0.2405, 0.3288



46.7642, 0.3497, 0.2879

Square

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



46.7642, 0.2405, 0.3288



46.7642, 0.2595, 0.2532



46.7642, 0.3897, 0.3222



46.7642, 0.3638, 0.4135

Rectangle

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



46.7642, 0.2405, 0.3288



46.7642, 0.2288, 0.2672



46.7642, 0.3897, 0.3222



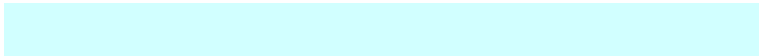
46.7642, 0.4034, 0.3836

Sweetspot

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



46.7660, 0.2405, 0.3288



92.3096, 0.2855, 0.3289



43.3387, 0.3050, 0.5165



19.5316, 0.2814, 0.3289



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.



46.7660, 0.2405, 0.3288



80.1928, 0.2322, 0.3288



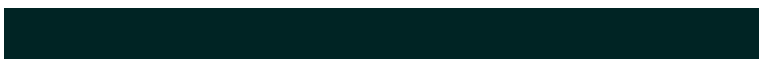
25.3823, 0.2206, 0.2381



12.0676, 0.2984, 0.3290



28.9165, 0.2247, 0.3288



1.3692, 0.2247, 0.3288

Inverse Universe

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



18.7722, 0.4930, 0.3295



26.6448, 0.5559, 0.3297



31.0746, 0.4419, 0.4011



10.6370, 0.3290, 0.3290



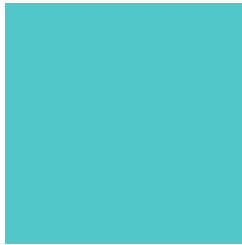
7.8077, 0.6401, 0.3300



0.3697, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 46.7642, 0.2405, 0.3288 looks on a white background.

Color Contrast Check

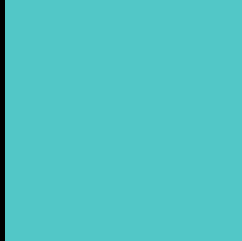
Large Text (above 18pt) WCAG AA × Fail

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 46.7642, 0.2405, 0.3288 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

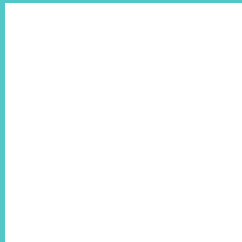
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7642, 0.2405, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 46.7642, 0.2405, 0.3288.

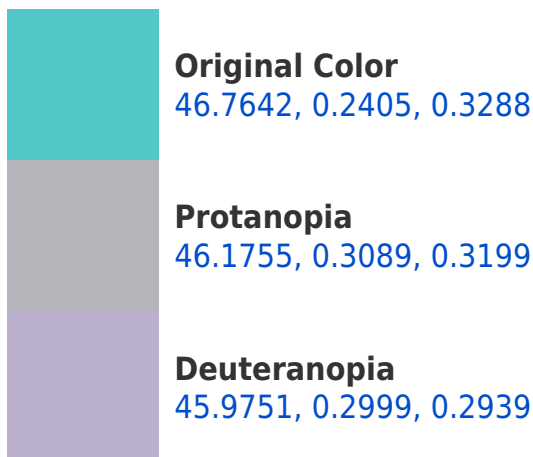


This preview shows how white text looks on a background with the Yxy color 46.7642, 0.2405, 0.3288.

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

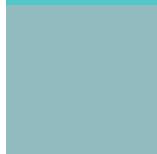
46.8113, 0.2355, 0.3062

Trichromacy



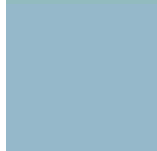
Original Color

46.7642, 0.2405, 0.3288



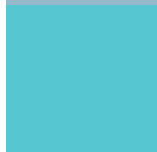
Protanomaly

45.4132, 0.2779, 0.3234



Deuteranomaly

44.9348, 0.2724, 0.3045



Tritanomaly

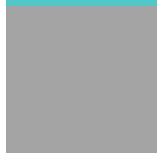
46.9207, 0.2374, 0.3145

Monochromacy



Original Color

46.7642, 0.2405, 0.3288



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.6869, 0.2775, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7642, 0.2405, 0.3288 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(82, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(82, 199, 199)  
}
```

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(82, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 199, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.7642, 0.2405, 0.3288 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(82, 199, 199) }
```

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

```
.border{ border-color:rgb(82, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(82, 199,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7642, 0.2405, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 199, 199) }
```

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

```
.background{ background-color: rgb(82, 199,  
199) }
```

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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