

Converting Colors

$Yxy(46.1221, 0.2684, 0.3458)$

Have a look what the booklet for
Yxy(46.1221, 0.2684, 0.3458)
contains.

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Color

Yxy(46.0985, 0.2686, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	7AC2B6
RGB	122, 194, 182
RGB Percent	48%, 76%, 71%
CMY	0.5217, 0.2392, 0.2863
CMYK	0.37, 0.00, 0.06, 0.24
HSL	170°, 37%, 62%
HSV	170°, 37%, 76%
XYZ	35.7553, 46.0985, 51.2634
YIQ	171.1040, -39.0600, -18.9960

Conversions

Conversions Part 2

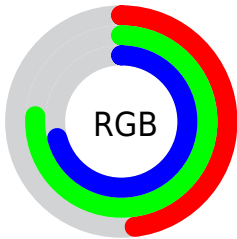
Format	Color
RYB	122, 161, 194
Decimal	8045238
CIELab	73.61, -25.31, -1.09
CIELCh	74, 25.329, 182.467
Yxy	46.0985, 0.2686, 0.3463
Android (android.graphics.Color)	4286235318 (0xFF7AC2B6)
YUV	171.1040, 5.3717, -43.0642
Hunter-Lab	67.8959, -24.8162, 2.7614

Details

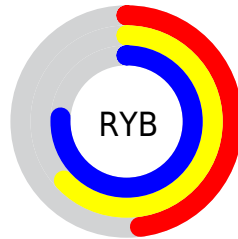
The Yxy color **46.0985, 0.2686, 0.3463** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0993, 0.3868, 0.3129**, and the grayscale version is **40.7623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5145, 0.2765, 0.3433**, and **21.5701, 0.2561, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **44.6910, 0.2593, 0.3518**, and if you desaturate by 10%, it is **47.7954, 0.2792, 0.3411**.

Distribution



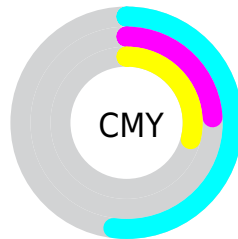
- Red (48%)
- Green (76%)
- Blue (71%)



- Red (48%)
- Yellow (63%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)



- Cyan (52%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0985, 0.2686, 0.3463 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 46.0985, 0.2686, 0.3463 by changing the saturation by 10% instead.


 46.0985, 0.2686,
0.3463


 46.0985, 0.2686,
0.3463

371.2045, 0.2906,
0.3378


 32.3236, 0.2631,
0.3484


 84.3664, 0.2766,
0.3432

 21.6088, 0.2562,
0.3511


 109.6281, 0.2796,
0.3421

 13.5697, 0.2469,
0.3546


 139.4876, 0.2821,
0.3411

 7.8220, 0.2341,
0.3594

174.3292, 0.2843,
0.3402

 3.9813, 0.2152,
0.3664

214.5372, 0.2862,
0.3395

 1.6631, 0.1848,
0.3774

260.4962, 0.2878,

 0.3996, 0.0000,

0.3388

0.4387

312.5905, 0.2893,
0.3383

0.0000, 0.0000,
0.0000

46.0985, 0.2686,
0.3463

46.0985, 0.2686,
0.3463

44.6910, 0.2593,
0.3518

47.7954, 0.2792,
0.3411

43.5505, 0.2517,
0.3575

49.7918, 0.2909,
0.3363

42.6601, 0.2459,
0.3633

52.1039, 0.3034,
0.3319

41.9985, 0.2419,
0.3693

54.7452, 0.3165,
0.3279

41.5412, 0.2399,
0.3753

57.7283, 0.3298,
0.3243

■ 41.2538, 0.2396,
0.3812

■ 61.0653, 0.3432,
0.3211

■ 41.1851, 0.2397,
0.3828

■ 64.2399, 0.3542,
0.3181

■ 64.3975, 0.3515,
0.3148

■ 64.5584, 0.3489,
0.3115

Harmonies

Analogous

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



46.0985, 0.2993, 0.3768



46.0985, 0.2686, 0.3463



46.0985, 0.2501, 0.3121

Triad

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



46.0985, 0.2686, 0.3463



46.0985, 0.2881, 0.2732



46.0985, 0.3823, 0.3678

Complementary

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



46.0985, 0.2686, 0.3463



27.0993, 0.3868, 0.3129

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.



46.0985, 0.3796, 0.3398



46.0985, 0.2686, 0.3463



46.0985, 0.3234, 0.2872

Square

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



46.0985, 0.2686, 0.3463



46.0985, 0.2608, 0.2721



46.0985, 0.3576, 0.3110



46.0985, 0.3654, 0.3877

Rectangle

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



46.0985, 0.2686, 0.3463



46.0985, 0.2465, 0.2931



46.0985, 0.3576, 0.3110



46.0985, 0.3837, 0.3589

Sweetspot

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



46.1003, 0.2686, 0.3463



92.6260, 0.2983, 0.3336



45.1577, 0.3175, 0.4369



20.1568, 0.2966, 0.3343



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.



46.1003, 0.2686, 0.3463



81.2913, 0.2606, 0.3510



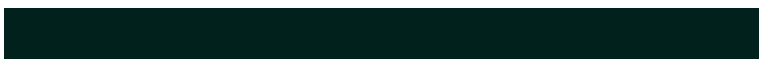
37.2290, 0.2566, 0.2952



11.3987, 0.3006, 0.3329



27.0846, 0.2395, 0.3821



1.1781, 0.2358, 0.3689

Inverse Universe

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



27.0993, 0.3868, 0.3129



41.6624, 0.4133, 0.3093



33.0563, 0.3906, 0.3601



10.1047, 0.3263, 0.3252



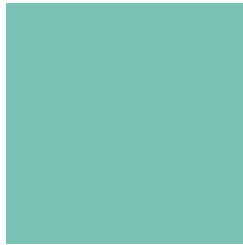
7.6190, 0.6136, 0.3154



0.3379, 0.5569, 0.2841

Previews

White Background



This preview shows how the Yxy color 46.0985, 0.2686, 0.3463 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 46.0985, 0.2686, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

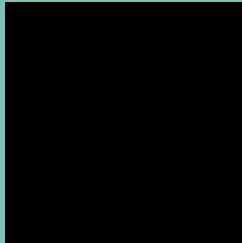
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

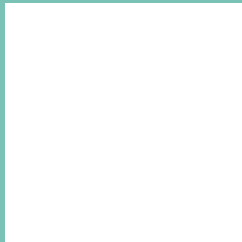
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0985, 0.2686, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 46.0985, 0.2686, 0.3463.

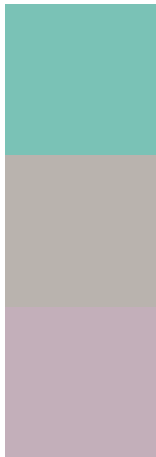


This preview shows how white text looks on a background with the Yxy color 46.0985, 0.2686, 0.3463.

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

46.0985, 0.2686, 0.3463

Protanopia

45.6105, 0.3220, 0.3356

Deuteranopia

45.8072, 0.3213, 0.3152



Tritanopia

45.8723, 0.2571, 0.3067

Trichromacy



Original Color

46.0985, 0.2686, 0.3463

Protanomaly

45.1367, 0.2999, 0.3386

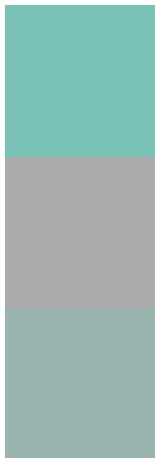
Deuteranomaly

45.2835, 0.2987, 0.3249

Tritanomaly

45.7284, 0.2614, 0.3204

Monochromacy



Original Color

46.0985, 0.2686, 0.3463

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.1076, 0.2940, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0985, 0.2686, 0.3463 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(122, 194, 182)` looks like.

```
.text, #text, p{  
    color:rgb(122, 194, 182)  
}
```

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(122, 194, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 194, 182) }
```

Border

The CSS property to change the border of an element to Yxy 46.0985, 0.2686, 0.3463 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(122, 194, 182) }
```

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

```
.border{ border-color:rgb(122, 194, 182) }
```

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

Here you see how a box with a 4 pixel rgb(122, 194, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 194, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 194, 182);  
box-shadow:4px 4px 4px 4px rgb(122, 194,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0985, 0.2686, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 194, 182) }
```

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

```
.background{ background-color: rgb(122,  
194, 182) }
```

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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