

Converting Colors

$Y_{xy}(46.7851, 0.2740, 0.3345)$

Have a look what the booklet for
Yxy(46.7851, 0.2740, 0.3345)
contains.

Yxy(46.6485, 0.2742, 0.3345)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6485, 0.2742, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	89C0BC
RGB	137, 192, 188
RGB Percent	54%, 75%, 74%
CMY	0.4629, 0.2470, 0.2627
CMYK	0.29, 0.00, 0.02, 0.25
HSL	176°, 30%, 65%
HSV	176°, 29%, 75%
XYZ	38.2392, 46.6485, 54.5697
YIQ	175.0990, -31.4960, -12.9040

Conversions

Conversions Part 2

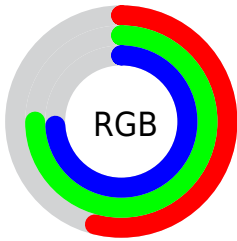
Format	Color
RYB	137, 166, 192
Decimal	9027772
CIELab	73.96, -18.66, -3.75
CIELCh	74, 19.037, 191.371
Yxy	46.6485, 0.2742, 0.3345
Android (android.graphics.Color)	4287217852 (0xFF89C0BC)
YUV	175.0990, 6.3602, -33.4128
Hunter-Lab	68.2997, -19.5870, 0.4386

Details

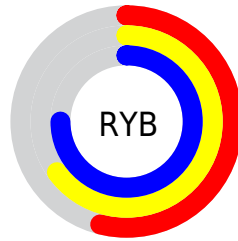
The Yxy color **46.6485, 0.2742, 0.3345** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.0110, 0.3704, 0.3237**, and the grayscale version is **42.8997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4895, 0.2813, 0.3343**, and **21.8575, 0.2635, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **45.1101, 0.2629, 0.3367**, and if you desaturate by 10%, it is **48.4800, 0.2868, 0.3324**.

Distribution



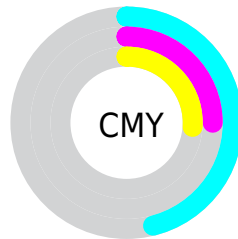
- Red (54%)
- Green (75%)
- Blue (74%)



- Red (54%)
- Yellow (65%)
- Blue (75%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)





- Cyan (46%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6485, 0.2742, 0.3345 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 46.6485, 0.2742, 0.3345 by changing the saturation by 10% instead.


 46.6485, 0.2742,
0.3345

 46.6485, 0.2742,
0.3345


373.4097, 0.2933,
0.3320


 32.7579, 0.2695,
0.3351


 85.1887, 0.2811,
0.3336

 21.9410, 0.2635,
0.3358


 110.6071, 0.2837,
0.3333

 13.8136, 0.2555,
0.3366


 140.6368, 0.2859,
0.3330

 7.9911, 0.2445,
0.3377

175.6623, 0.2878,
0.3327

 4.0893, 0.2284,
0.3389

216.0679, 0.2894,
0.3325

 1.7236, 0.2025,
0.3403

262.2381, 0.2909,

 0.4389, 0.0000,

0.3323

0.3722

314.5573, 0.2922,
0.3321

0.0000, 0.0000,
0.0000

46.6485, 0.2742,
0.3345

46.6485, 0.2742,
0.3345

45.1101, 0.2629,
0.3367

48.4800, 0.2868,
0.3324

43.8438, 0.2531,
0.3390

50.6130, 0.3004,
0.3305

42.8348, 0.2450,
0.3414

53.0628, 0.3146,
0.3288

42.0645, 0.2388,
0.3438

55.8419, 0.3293,
0.3272

41.5118, 0.2345,
0.3463

58.9619, 0.3442,
0.3258

■ 41.1520, 0.2320,
0.3487

■ 62.4341, 0.3590,
0.3246

■ 40.9442, 0.2310,
0.3511

■ 63.0309, 0.3602,
0.3232

■ 40.9203, 0.2310,
0.3514

■ 63.0955, 0.3591,
0.3217

■ 63.1608, 0.3579,
0.3203

Harmonies

Analogous

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



46.6485, 0.2953, 0.3585



46.6485, 0.2742, 0.3345



46.6485, 0.2633, 0.3101

Triad

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



46.6485, 0.2742, 0.3345



46.6485, 0.3019, 0.2887



46.6485, 0.3625, 0.3640

Complementary

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



46.6485, 0.2742, 0.3345



31.0110, 0.3704, 0.3237

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.



46.6485, 0.3648, 0.3443



46.6485, 0.2742, 0.3345



46.6485, 0.3290, 0.3020

Square

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



46.6485, 0.2742, 0.3345



46.6485, 0.2788, 0.2849



46.6485, 0.3523, 0.3219



46.6485, 0.3465, 0.3753

Rectangle

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



46.6485, 0.2742, 0.3345



46.6485, 0.2630, 0.2972



46.6485, 0.3523, 0.3219



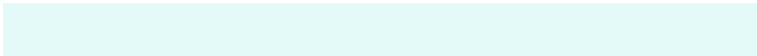
46.6485, 0.3649, 0.3581

Sweetspot

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



46.6504, 0.2742, 0.3345



91.5003, 0.2997, 0.3306



45.2201, 0.3125, 0.4102



19.5014, 0.2977, 0.3309



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6504, 0.2742, 0.3345



82.8162, 0.2674, 0.3358



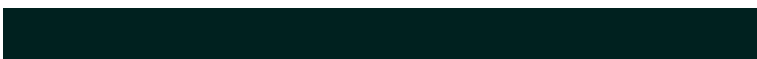
37.5252, 0.2682, 0.2958



11.4154, 0.2994, 0.3307



27.5366, 0.2309, 0.3511



1.1936, 0.2294, 0.3457

Inverse Universe

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



31.0110, 0.3704, 0.3237



50.1365, 0.3873, 0.3226



38.1199, 0.3665, 0.3600



10.0895, 0.3278, 0.3274



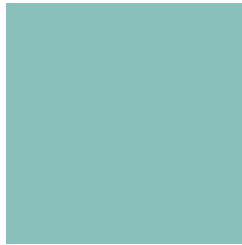
7.5665, 0.6310, 0.3250



0.3311, 0.6000, 0.3079

Previews

White Background



This preview shows how the Yxy color 46.6485, 0.2742, 0.3345 looks on a white background.

Color Contrast Check

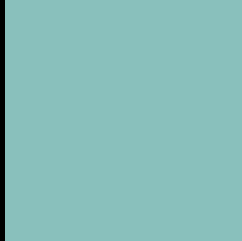
Large Text (above 18pt) WCAG AA × Fail

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 46.6485, 0.2742, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

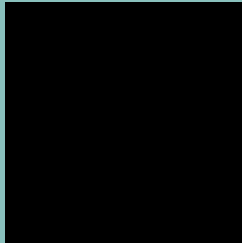
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

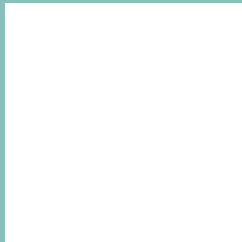
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6485, 0.2742, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 46.6485, 0.2742, 0.3345.

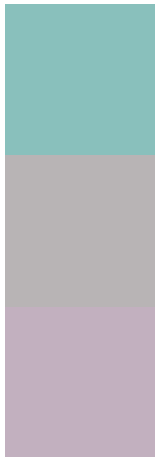


This preview shows how white text looks on a background with the Yxy color 46.6485, 0.2742, 0.3345.

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

46.6485, 0.2742, 0.3345

Protanopia

46.1691, 0.3154, 0.3277

Deuteranopia

46.2816, 0.3162, 0.3102



Tritanopia

46.4657, 0.2658, 0.3072

Trichromacy



Original Color

46.6485, 0.2742, 0.3345

Protanomaly

45.9572, 0.2987, 0.3290

Deuteranomaly

46.0578, 0.2991, 0.3184

Tritanomaly

46.5259, 0.2690, 0.3165

Monochromacy



Original Color

46.6485, 0.2742, 0.3345

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.9201, 0.2968, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6485, 0.2742, 0.3345 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(137, 192, 188)` looks like.

```
.text, #text, p{  
    color:rgb(137, 192, 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(137, 192, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 192, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.6485, 0.2742, 0.3345 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(137, 192, 188) }
```

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

```
.border{ border-color:rgb(137, 192, 188) }
```

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

Here you see how a box with a 4 pixel rgb(137, 192, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 192, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 192, 188);  
box-shadow:4px 4px 4px 4px rgb(137, 192,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6485, 0.2742, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 192, 188) }
```

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

```
.background{ background-color: rgb(137,  
192, 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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