

Converting Colors

$Y_{xy}(43.2218, 0.2638, 0.3343)$

Have a look what the booklet for
Yxy(43.2218, 0.2638, 0.3343)
contains.

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Color

Yxy(43.2787, 0.2638, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	76BCB8
RGB	118, 188, 184
RGB Percent	46%, 74%, 72%
CMY	0.5371, 0.2628, 0.2783
CMYK	0.37, 0.00, 0.02, 0.26
HSL	177°, 34%, 60%
HSV	177°, 37%, 74%
XYZ	34.1109, 43.2787, 51.9163
YIQ	166.6140, -40.4360, -16.0840

Conversions

Conversions Part 2

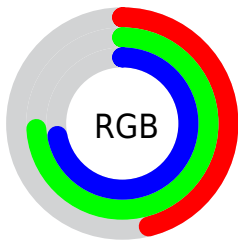
Format	Color
RYB	118, 154, 188
Decimal	7781560
CIELab	71.74, -22.88, -4.96
CIELCh	72, 23.416, 192.240
Yxy	43.2787, 0.2638, 0.3347
Android (android.graphics.Color)	4285971640 (0xFF76BCB8)
YUV	166.6140, 8.5713, -42.6345
Hunter-Lab	65.7865, -22.5726, -0.7389

Details

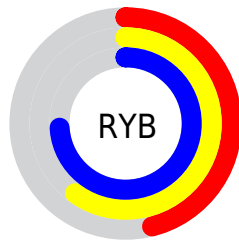
The Yxy color **43.2787, 0.2638, 0.3347** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.0601, 0.3969, 0.3237**, and the grayscale version is **38.4229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8769, 0.2726, 0.3334**, and **19.7789, 0.2496, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **42.0478, 0.2536, 0.3365**, and if you desaturate by 10%, it is **44.7757, 0.2755, 0.3330**.

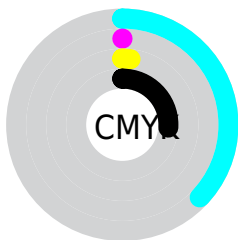
Distribution



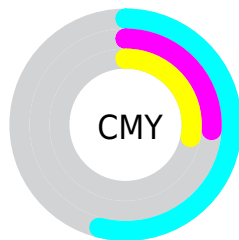
- Red (46%)
- Green (74%)
- Blue (72%)



- Red (46%)
- Yellow (60%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)





- Cyan (54%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.2787, 0.2638, 0.3347 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 43.2787, 0.2638, 0.3347 by changing the saturation by 10% instead.


 43.2787, 0.2638,
0.3347


 43.2787, 0.2638,
0.3347


359.7567, 0.2883,
0.3322

 30.1038, 0.2577,
0.3352


 80.1313, 0.2727,
0.3339

 19.9174, 0.2499,
0.3358


 104.5778, 0.2760,
0.3335

 12.3350, 0.2395,
0.3365


 133.5503, 0.2789,
0.3332

 6.9723, 0.2251,
0.3372

167.4332, 0.2813,
0.3330

 3.4448, 0.2037,
0.3378

206.6109, 0.2834,
0.3327

 1.3681, 0.1672,
0.3379

251.4677, 0.2852,

 0.1930, 0.0000,

0.3325

0.2573

302.3882, 0.2868,
0.3323

0.0000, 0.0000,
0.0000

43.2787, 0.2638,
0.3347

43.2787, 0.2638,
0.3347

42.0478, 0.2536,
0.3365

44.7757, 0.2755,
0.3330

41.0622, 0.2452,
0.3383

46.5480, 0.2884,
0.3314

40.3062, 0.2386,
0.3402


48.6106, 0.3023,
0.3300

39.7604, 0.2339,
0.3421


50.9761, 0.3168,
0.3286

39.4017, 0.2310,
0.3439


53.6561, 0.3318,
0.3274


 39.1980, 0.2298,
0.3458

 56.6618, 0.3469,
0.3264

 39.1523, 0.2295,
0.3463

 60.0037, 0.3619,
0.3254

 61.0558, 0.3655,
0.3244

 61.1034, 0.3646,
0.3233

Harmonies

Analogous

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



43.2787, 0.2897, 0.3658



43.2787, 0.2638, 0.3347



43.2787, 0.2509, 0.3039

Triad

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



43.2787, 0.2638, 0.3347



43.2787, 0.2999, 0.2792



43.2787, 0.3751, 0.3731

Complementary

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



43.2787, 0.2638, 0.3347



25.0601, 0.3969, 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.



43.2787, 0.3788, 0.3484



43.2787, 0.2638, 0.3347



43.2787, 0.3340, 0.2959

Square

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



43.2787, 0.2638, 0.3347



43.2787, 0.2708, 0.2740



43.2787, 0.3635, 0.3206



43.2787, 0.3542, 0.3877

Rectangle

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



43.2787, 0.2638, 0.3347



43.2787, 0.2508, 0.2881



43.2787, 0.3635, 0.3206



43.2787, 0.3785, 0.3656

Sweetspot

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



43.2804, 0.2638, 0.3347



86.5570, 0.2967, 0.3305



41.4622, 0.3111, 0.4390



18.5044, 0.2948, 0.3307



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



43.2804, 0.2638, 0.3347



76.5102, 0.2550, 0.3362



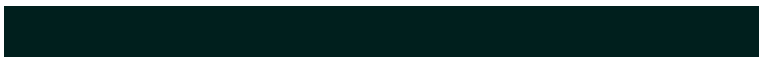
31.8283, 0.2547, 0.2823



10.7999, 0.2992, 0.3303



26.6618, 0.2295, 0.3461



1.0472, 0.2282, 0.3416

Inverse Universe

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



25.0601, 0.3969, 0.3237



38.5241, 0.4270, 0.3226



33.2891, 0.3864, 0.3712



9.5449, 0.3280, 0.3277



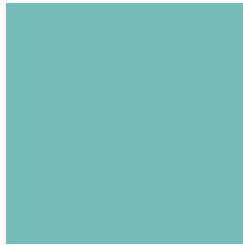
7.2989, 0.6329, 0.3260



0.2889, 0.6066, 0.3115

Previews

White Background



This preview shows how the Yxy color 43.2787, 0.2638, 0.3347 looks on a white background.

Color Contrast Check

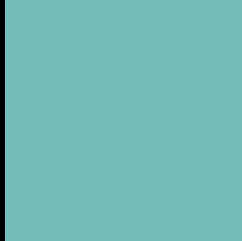
Large Text (above 18pt) WCAG AA × Fail

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 43.2787, 0.2638, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

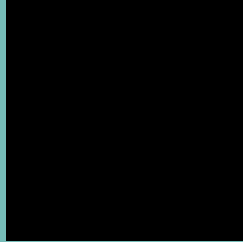
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

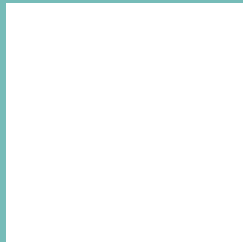
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.2787, 0.2638, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 43.2787, 0.2638, 0.3347.

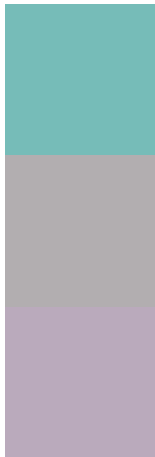


This preview shows how white text looks on a background with the Yxy color 43.2787, 0.2638, 0.3347.

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

43.2787, 0.2638, 0.3347

Protanopia

42.8717, 0.3146, 0.3263

Deuteranopia

42.8194, 0.3120, 0.3057



Tritanopia

43.0056, 0.2560, 0.3075

Trichromacy



Original Color

43.2787, 0.2638, 0.3347

Protanomaly

42.5628, 0.2934, 0.3289

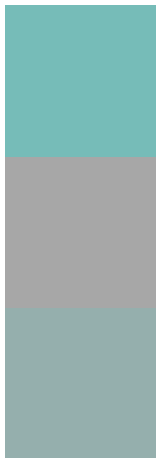
Deuteranomaly

42.6092, 0.2914, 0.3152

Tritanomaly

43.0778, 0.2591, 0.3173

Monochromacy



Original Color

43.2787, 0.2638, 0.3347

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.0666, 0.2921, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2787, 0.2638, 0.3347 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(118, 188, 184)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 184)  
}
```

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(118, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 184) }
```

Border

The CSS property to change the border of an element to Yxy 43.2787, 0.2638, 0.3347 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(118, 188, 184) }
```

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

```
.border{ border-color:rgb(118, 188, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2787, 0.2638, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 184) }
```

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

```
.background{ background-color: rgb(118,  
188, 184) }
```

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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