

Converting Colors

$Y_{xy}(41.6471, 0.2661, 0.3214)$

Have a look what the booklet for
Yxy(41.6471, 0.2661, 0.3214)
contains.

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Color

Yxy(41.5558, 0.2666, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	7FB6BB
RGB	127, 182, 187
RGB Percent	50%, 71%, 73%
CMY	0.5019, 0.2863, 0.2667
CMYK	0.32, 0.03, 0.00, 0.27
HSL	185°, 31%, 62%
HSV	185°, 32%, 73%
XYZ	34.4489, 41.5558, 53.2111
YIQ	166.1250, -34.3850, -10.1050

Conversions

Conversions Part 2

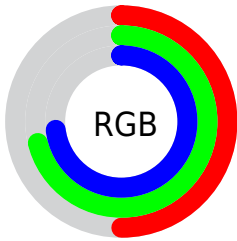
Format	Color
R_{YB}	127, 156, 187
Decimal	8369851
CIE _{Lab}	70.56, -16.63, -8.29
CIE _{LCh}	71, 18.578, 206.493
Yxy	41.5558, 0.2666, 0.3216
Android (android.graphics.Color)	4286559931 (0xFF7FB6BB)
YUV	166.1250, 10.2914, -34.3126
Hunter-Lab	64.4638, -17.4227, -3.8158

Details

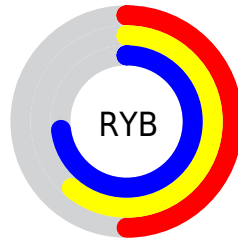
The Yxy color **41.5558, 0.2666, 0.3216** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.5944, 0.3830, 0.3362**, and the grayscale version is **38.1593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5652, 0.2753, 0.3233**, and **18.9176, 0.2535, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **39.6198, 0.2544, 0.3190**, and if you desaturate by 10%, it is **43.7686, 0.2800, 0.3241**.

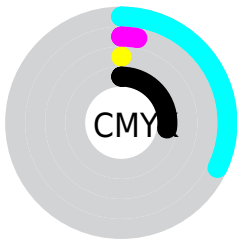
Distribution



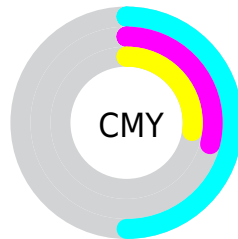
- Red (50%)
- Green (71%)
- Blue (73%)



- Red (50%)
- Yellow (61%)
- Blue (73%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)





- Cyan (50%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5558, 0.2666, 0.3216 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 41.5558, 0.2666, 0.3216 by changing the saturation by 10% instead.


 41.5558, 0.2666,
0.3216


 41.5558, 0.2666,
0.3216


352.6382, 0.2898,
0.3258


 28.7536, 0.2608,
0.3204


 77.5269, 0.2750,
0.3232

 18.8945, 0.2533,
0.3188


 101.4646, 0.2782,
0.3238

 11.5941, 0.2434,
0.3165


 129.8830, 0.2809,
0.3243

 6.4679, 0.2295,
0.3130

163.1664, 0.2832,
0.3247

 3.1316, 0.2088,
0.3070

201.6992, 0.2852,
0.3250

 1.2008, 0.1738,
0.2958

245.8659, 0.2869,

 0.0624, 0.0000,

0.3253

0.0879

296.0508, 0.2884,
0.3255

0.0000, 0.0000,
0.0000

41.5558, 0.2666,
0.3216

41.5558, 0.2666,
0.3216

39.6198, 0.2544,
0.3190

43.7686, 0.2800,
0.3241

37.9408, 0.2438,
0.3162

46.2670, 0.2944,
0.3264

36.5043, 0.2348,
0.3134

49.0651, 0.3095,
0.3286

35.2922, 0.2278,
0.3106

52.1751, 0.3250,
0.3305

34.2837, 0.2226,
0.3078

55.6082, 0.3406,
0.3323

■ 33.4541, 0.2192,
0.3050

■ 59.3750, 0.3561,
0.3339

■ 32.8855, 0.2174,
0.3028

■ 62.9327, 0.3690,
0.3353

■ 63.6224, 0.3685,
0.3369

■ 64.3194, 0.3681,
0.3385

Harmonies

Analogous

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



41.5558, 0.2832, 0.3472



41.5558, 0.2666, 0.3216



41.5558, 0.2619, 0.2995

Triad

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



41.5558, 0.2666, 0.3216



41.5558, 0.3156, 0.2939



41.5558, 0.3565, 0.3717

Complementary

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



41.5558, 0.2666, 0.3216



28.5944, 0.3830, 0.3362

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.



41.5558, 0.3663, 0.3553



41.5558, 0.2666, 0.3216



41.5558, 0.3421, 0.3112

Square

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



41.5558, 0.2666, 0.3216



41.5558, 0.2892, 0.2849



41.5558, 0.3610, 0.3333



41.5558, 0.3350, 0.3770

Rectangle

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



41.5558, 0.2666, 0.3216



41.5558, 0.2659, 0.2897



41.5558, 0.3610, 0.3333



41.5558, 0.3613, 0.3672

Sweetspot

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



41.5575, 0.2666, 0.3216



83.7954, 0.2973, 0.3269



41.6862, 0.3055, 0.4160



18.3037, 0.2952, 0.3265



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.



41.5575, 0.2666, 0.3216



72.1184, 0.2585, 0.3199



30.8810, 0.2613, 0.2771



10.6703, 0.2985, 0.3270



22.7131, 0.2175, 0.3031



0.9301, 0.2194, 0.3098

Inverse Universe

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



29.1206, 0.3215, 0.2563



46.7718, 0.3236, 0.2419



37.5833, 0.3705, 0.3757



9.6822, 0.3150, 0.3082



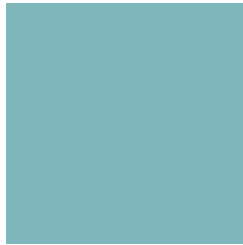
9.3226, 0.3427, 0.1661



0.3693, 0.3369, 0.1630

Previews

White Background



This preview shows how the Yxy color 41.5558, 0.2666, 0.3216 looks on a white background.

Color Contrast Check

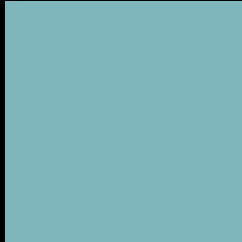
Large Text (above 18pt) WCAG AA × Fail

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 41.5558, 0.2666, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

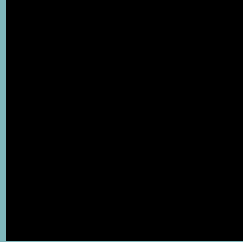
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

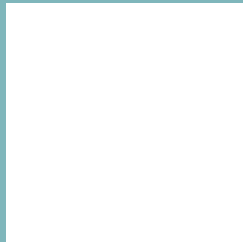
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5558, 0.2666, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 41.5558, 0.2666, 0.3216.



This preview shows how white text looks on a background with the Yxy color 41.5558, 0.2666, 0.3216.

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

41.5558, 0.2666, 0.3216

Protanopia

41.3053, 0.3071, 0.3168

Deuteranopia

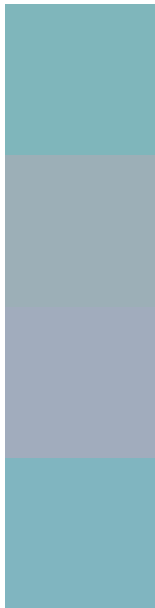
41.0584, 0.3052, 0.2988



Tritanopia

41.6550, 0.2626, 0.3088

Trichromacy



Original Color

41.5558, 0.2666, 0.3216

Protanomaly

41.1468, 0.2903, 0.3177

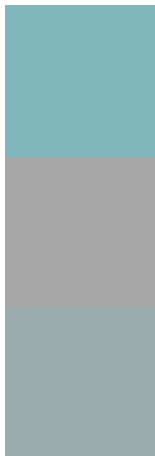
Deuteranomaly

40.7562, 0.2897, 0.3056

Tritanomaly

41.4427, 0.2639, 0.3130

Monochromacy



Original Color

41.5558, 0.2666, 0.3216

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2364, 0.2937, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5558, 0.2666, 0.3216 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(127, 182, 187)` looks like.

```
.text, #text, p{  
    color:rgb(127, 182, 187)  
}
```

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(127, 182, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 182, 187) }
```

Border

The CSS property to change the border of an element to Yxy 41.5558, 0.2666, 0.3216 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(127, 182, 187) }
```

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

```
.border{ border-color:rgb(127, 182, 187) }
```

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

Here you see how a box with a 4 pixel rgb(127, 182, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 182, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 182, 187);  
box-shadow:4px 4px 4px 4px rgb(127, 182,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5558, 0.2666, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 182, 187) }
```

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

```
.background{ background-color: rgb(127,  
182, 187) }
```

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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