

Converting Colors

$Y_{xy}(42.7715, 0.2665, 0.3388)$

Have a look what the booklet for
Yxy(42.7715, 0.2665, 0.3388)
contains.

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Color

Yxy(42.7579, 0.2667, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	77BBB4
RGB	119, 187, 180
RGB Percent	47%, 73%, 71%
CMY	0.5335, 0.2666, 0.2942
CMYK	0.36, 0.00, 0.04, 0.27
HSL	174°, 33%, 60%
HSV	174°, 36%, 73%
XYZ	33.6090, 42.7579, 49.6511
YIQ	165.8700, -38.2810, -16.5930

Conversions

Conversions Part 2

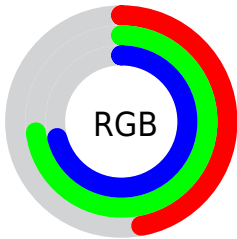
Format	Color
RYB	119, 155, 187
Decimal	7846836
CIELab	71.39, -23.11, -3.27
CIElCh	71, 23.342, 188.047
Yxy	42.7579, 0.2667, 0.3393
Android (android.graphics.Color)	4286036916 (0xFF77BBB4)
YUV	165.8700, 6.9661, -41.1050
Hunter-Lab	65.3895, -22.6860, 0.7530

Details

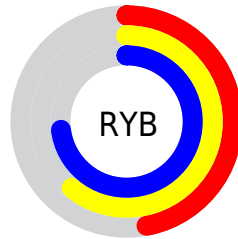
The Yxy color **42.7579, 0.2667, 0.3393** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.2535, 0.3901, 0.3193**, and the grayscale version is **38.0415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1560, 0.2751, 0.3368**, and **19.7408, 0.2541, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **41.4866, 0.2568, 0.3426**, and if you desaturate by 10%, it is **44.2941, 0.2780, 0.3362**.

Distribution



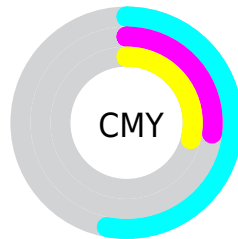
- Red (47%)
- Green (73%)
- Blue (71%)



- Red (47%)
- Yellow (61%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7579, 0.2667, 0.3393 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 42.7579, 0.2667, 0.3393 by changing the saturation by 10% instead.


 42.7579, 0.2667,
0.3393


 42.7579, 0.2667,
0.3393


357.6152, 0.2898,
0.3343

 29.6952, 0.2609,
0.3405


 79.3454, 0.2751,
0.3375

 19.6074, 0.2534,
0.3419


 103.6390, 0.2783,
0.3369

 12.1100, 0.2435,
0.3438


 132.4450, 0.2810,
0.3363

 6.8186, 0.2296,
0.3463

166.1478, 0.2832,
0.3358

 3.3489, 0.2089,
0.3496

205.1319, 0.2852,
0.3354

 1.3165, 0.1713,
0.3555

249.7815, 0.2869,

 0.1539, 0.0000,

0.3350

0.2799

300.4811, 0.2885,
0.3346

0.0000, 0.0000,
0.0000

42.7579, 0.2667,
0.3393

42.7579, 0.2667,
0.3393

41.4866, 0.2568,
0.3426

44.2941, 0.2780,
0.3362

40.4596, 0.2485,
0.3460

46.1040, 0.2905,
0.3333

39.6617, 0.2421,
0.3495


48.2026, 0.3039,
0.3306

39.0737, 0.2375,
0.3530

50.6019, 0.3178,
0.3281


38.6736, 0.2349,
0.3566


53.3137, 0.3320,
0.3259

 38.4320, 0.2339,
0.3601

 56.3487, 0.3464,
0.3240

 38.3625, 0.2337,
0.3613

 59.7175, 0.3607,
0.3223

 60.7670, 0.3633,
0.3204

 60.8552, 0.3617,
0.3184

Harmonies

Analogous

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



42.7579, 0.2941, 0.3695



42.7579, 0.2667, 0.3393



42.7579, 0.2517, 0.3077

Triad

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



42.7579, 0.2667, 0.3393



42.7579, 0.2953, 0.2777



42.7579, 0.3768, 0.3701

Complementary

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



42.7579, 0.2667, 0.3393



25.2535, 0.3901, 0.3193

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.



42.7579, 0.3778, 0.3446



42.7579, 0.2667, 0.3393



42.7579, 0.3293, 0.2930

Square

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



42.7579, 0.2667, 0.3393



42.7579, 0.2675, 0.2743



42.7579, 0.3601, 0.3169



42.7579, 0.3580, 0.3866

Rectangle

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



42.7579, 0.2667, 0.3393



42.7579, 0.2502, 0.2909



42.7579, 0.3601, 0.3169



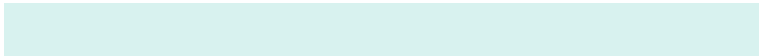
42.7579, 0.3793, 0.3623

Sweetspot

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



42.7596, 0.2667, 0.3393



84.4530, 0.2974, 0.3318



41.3810, 0.3138, 0.4353



18.4862, 0.2956, 0.3322



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.



42.7596, 0.2667, 0.3393



74.6419, 0.2584, 0.3420



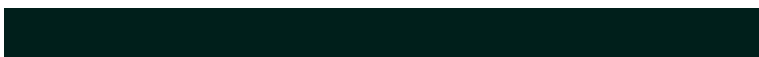
32.9692, 0.2568, 0.2889



10.7921, 0.2998, 0.3314



26.4338, 0.2336, 0.3609



1.0404, 0.2313, 0.3525

Inverse Universe

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



25.2535, 0.3901, 0.3193



38.5306, 0.4174, 0.3172



32.1602, 0.3860, 0.3656



9.5520, 0.3272, 0.3267



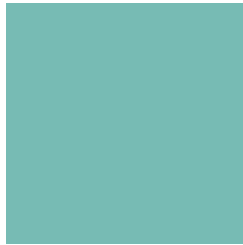
7.3177, 0.6263, 0.3224



0.2921, 0.5823, 0.2981

Previews

White Background



This preview shows how the Yxy color 42.7579, 0.2667, 0.3393 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 42.7579, 0.2667, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

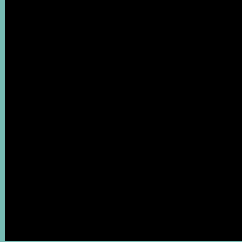
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

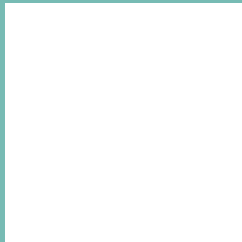
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7579, 0.2667, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 42.7579, 0.2667, 0.3393.

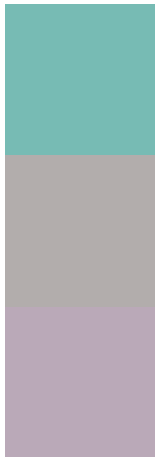


This preview shows how white text looks on a background with the Yxy color 42.7579, 0.2667, 0.3393.

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

42.7579, 0.2667, 0.3393

Protanopia

42.3307, 0.3180, 0.3304

Deuteranopia

42.2757, 0.3154, 0.3095



Tritanopia

42.6896, 0.2576, 0.3075

Trichromacy



Original Color

42.7579, 0.2667, 0.3393

Protanomaly

42.1040, 0.2972, 0.3332

Deuteranomaly

42.1509, 0.2952, 0.3193

Tritanomaly

42.6413, 0.2608, 0.3187

Monochromacy



Original Color

42.7579, 0.2667, 0.3393

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6019, 0.2936, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7579, 0.2667, 0.3393 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(119, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 180)  
}
```

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(119, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.7579, 0.2667, 0.3393 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(119, 187, 180) }
```

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

```
.border{ border-color:rgb(119, 187, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7579, 0.2667, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 180) }
```

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

```
.background{ background-color: rgb(119,  
187, 180) }
```

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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