

Converting Colors

$Yxy(41.7445, 0.2707, 0.3302)$

Have a look what the booklet for
Yxy(41.7445, 0.2707, 0.3302)
contains.

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Color

Yxy(41.8336, 0.2707, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	80B7B6
RGB	128, 183, 182
RGB Percent	50%, 72%, 71%
CMY	0.4979, 0.2824, 0.2862
CMYK	0.30, 0.00, 0.01, 0.28
HSL	179°, 28%, 61%
HSV	179°, 30%, 72%
XYZ	34.2851, 41.8336, 50.5347
YIQ	166.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

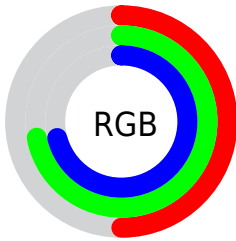
Format	Color
R_{YB}	128, 156, 183
Decimal	8435638
CIE _{Lab}	70.76, -18.02, -5.27
CIE _{LCh}	71, 18.778, 196.296
Yxy	41.8336, 0.2707, 0.3303
Android (android.graphics.Color)	4286625718 (0xFF80B7B6)
YUV	166.4410, 7.6706, -33.7128
Hunter-Lab	64.6789, -18.5686, -1.0490

Details

The Yxy color **41.8336, 0.2707, 0.3303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.1009, 0.3776, 0.3278**, and the grayscale version is **38.3369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9733, 0.2786, 0.3300**, and **19.0867, 0.2588, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **40.5280, 0.2591, 0.3308**, and if you desaturate by 10%, it is **43.3986, 0.2837, 0.3298**.

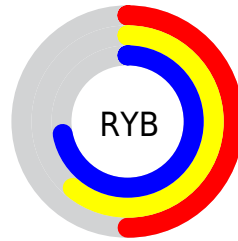
Distribution



Red (50%)

Green (72%)

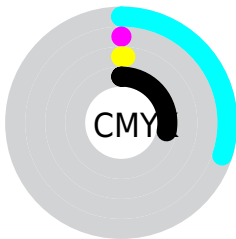
Blue (71%)



Red (50%)

Yellow (61%)

Blue (72%)

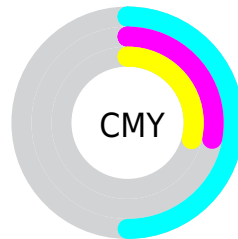


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (28%)



Cyan (50%)


Magenta (28%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8336, 0.2707, 0.3303 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 41.8336, 0.2707, 0.3303 by changing the saturation by 10% instead.


 41.8336, 0.2707,
0.3303

 41.8336, 0.2707,
0.3303


353.7927, 0.2919,
0.3299

 28.9710, 0.2654,
0.3303


 77.9477, 0.2784,
0.3302

 19.0589, 0.2585,
0.3302


 101.9681, 0.2813,
0.3302

 11.7128, 0.2494,
0.3300


 130.4764, 0.2838,
0.3301

 6.5485, 0.2365,
0.3296

163.8572, 0.2858,
0.3301

 3.1814, 0.2173,
0.3284

202.4949, 0.2876,
0.3301

 1.2271, 0.1836,
0.3257

246.7737, 0.2892,

 0.0837, 0.0000,

0.3300

0.1541

297.0782, 0.2906,
0.3300

0.0000, 0.0000,
0.0000

41.8336, 0.2707,
0.3303

41.8336, 0.2707,
0.3303

40.5280, 0.2591,
0.3308

43.3986, 0.2837,
0.3298

39.4629, 0.2491,
0.3313

45.2305, 0.2978,
0.3294

38.6249, 0.2409,
0.3319

47.3431, 0.3127,
0.3290

37.9974, 0.2346,
0.3324

49.7473, 0.3281,
0.3286

37.5613, 0.2301,
0.3330

52.4539, 0.3438,
0.3283

■ 37.2941, 0.2275,
0.3336

■ 55.4729, 0.3595,
0.3281

■ 37.1499, 0.2261,
0.3341

■ 58.5974, 0.3740,
0.3278

■ 58.6111, 0.3737,
0.3275

■ 58.6247, 0.3735,
0.3271

Harmonies

Analogous

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



41.8336, 0.2909, 0.3555



41.8336, 0.2707, 0.3303



41.8336, 0.2616, 0.3060

Triad

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



41.8336, 0.2707, 0.3303



41.8336, 0.3061, 0.2894



41.8336, 0.3618, 0.3674

Complementary

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



41.8336, 0.2707, 0.3303



27.1009, 0.3776, 0.3278

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.



41.8336, 0.3667, 0.3483



41.8336, 0.2707, 0.3303



41.8336, 0.3337, 0.3044

Square

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



41.8336, 0.2707, 0.3303



41.8336, 0.2814, 0.2839



41.8336, 0.3563, 0.3255



41.8336, 0.3435, 0.3771

Rectangle

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



41.8336, 0.2707, 0.3303



41.8336, 0.2627, 0.2938



41.8336, 0.3563, 0.3255



41.8336, 0.3651, 0.3618

Sweetspot

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



41.8353, 0.2707, 0.3303



81.3259, 0.2991, 0.3294



40.1600, 0.3102, 0.4149



17.8488, 0.2969, 0.3294



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.8353, 0.2707, 0.3303



73.3442, 0.2629, 0.3306



32.2434, 0.2657, 0.2898



10.2078, 0.2988, 0.3294



25.9194, 0.2261, 0.3340



0.9146, 0.2257, 0.3326

Inverse Universe

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



27.1009, 0.3776, 0.3278



42.7236, 0.3982, 0.3275



34.6338, 0.3683, 0.3652



9.0147, 0.3285, 0.3286



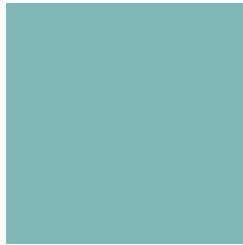
7.0291, 0.6378, 0.3287



0.2487, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 41.8336, 0.2707, 0.3303 looks on a white background.

Color Contrast Check

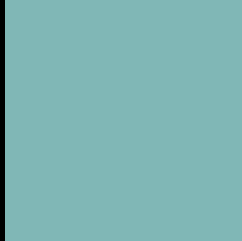
Large Text (above 18pt) WCAG AA × Fail

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 41.8336, 0.2707, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

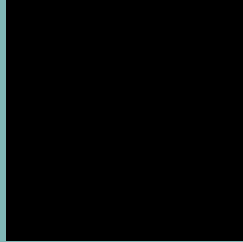
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

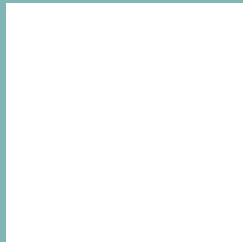
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8336, 0.2707, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 41.8336, 0.2707, 0.3303.



This preview shows how white text looks on a background with the Yxy color 41.8336, 0.2707, 0.3303.

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

41.8336, 0.2707, 0.3303

Protanopia

41.7142, 0.3129, 0.3249

Deuteranopia

41.5753, 0.3120, 0.3067



Tritanopia

41.8132, 0.2640, 0.3089

Trichromacy



Original Color

41.8336, 0.2707, 0.3303

Protanomaly

41.5341, 0.2957, 0.3261

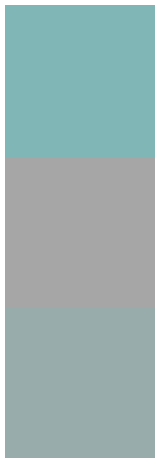
Deuteranomaly

41.1344, 0.2952, 0.3138

Tritanomaly

41.9194, 0.2667, 0.3173

Monochromacy



Original Color

41.8336, 0.2707, 0.3303

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1590, 0.2953, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8336, 0.2707, 0.3303 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(128, 183, 182)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 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(128, 183, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 182) }
```

Border

The CSS property to change the border of an element to Yxy 41.8336, 0.2707, 0.3303 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(128, 183, 182) }
```

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

```
.border{ border-color:rgb(128, 183, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 183, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 182);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8336, 0.2707, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 182) }
```

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

```
.background{ background-color: rgb(128,  
183, 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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