

Converting Colors

$Y_{xy}(41.7478, 0.2736, 0.3367)$

Have a look what the booklet for
Yxy(41.7478, 0.2736, 0.3367)
contains.

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Color

Yxy(41.6705, 0.2733, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	80B7B2
RGB	128, 183, 178
RGB Percent	50%, 72%, 70%
CMY	0.4983, 0.2823, 0.3020
CMYK	0.30, 0.00, 0.03, 0.28
HSL	175°, 28%, 61%
HSV	175°, 30%, 72%
XYZ	33.8643, 41.6705, 48.3740
YIQ	165.9850, -31.1750, -13.2150

Conversions

Conversions Part 2

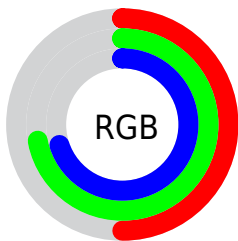
Format	Color
RYB	128, 157, 183
Decimal	8435634
CIELab	70.64, -19.00, -3.22
CIElCh	71, 19.270, 189.632
Yxy	41.6705, 0.2733, 0.3363
Android (android.graphics.Color)	4286625714 (0xFF80B7B2)
YUV	165.9850, 5.9234, -33.3128
Hunter-Lab	64.5527, -19.3264, 0.7566

Details

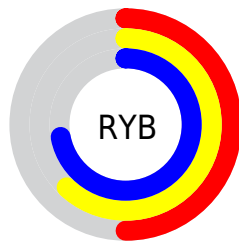
The Yxy color **41.6705, 0.2733, 0.3363** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.1852, 0.3728, 0.3220**, and the grayscale version is **38.1028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6186, 0.2802, 0.3345**, and **18.9824, 0.2622, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **40.3128, 0.2624, 0.3391**, and if you desaturate by 10%, it is **43.2883, 0.2855, 0.3337**.

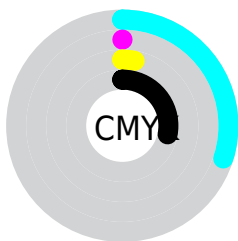
Distribution



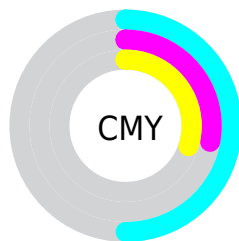
- Red (50%)
- Green (72%)
- Blue (70%)



- Red (50%)
- Yellow (62%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6705, 0.2733, 0.3363 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 41.6705, 0.2733, 0.3363 by changing the saturation by 10% instead.


 41.6705, 0.2733,
0.3363


 41.6705, 0.2733,
0.3363


353.1152, 0.2932,
0.3328


 28.8434, 0.2683,
0.3371


 77.7007, 0.2806,
0.3351

 18.9624, 0.2618,
0.3382


 101.6726, 0.2833,
0.3346

 11.6431, 0.2530,
0.3395

 130.1281, 0.2856,
0.3342

 6.5011, 0.2408,
0.3412

163.4518, 0.2876,
0.3338

 3.1521, 0.2223,
0.3435

202.0279, 0.2893,
0.3335

 1.2117, 0.1883,
0.3477

246.2409, 0.2907,

 0.0712, 0.0000,

0.3332

0.1903

296.4752, 0.2921,
0.3330

0.0000, 0.0000,
0.0000

41.6705, 0.2733,
0.3363

41.6705, 0.2733,
0.3363

40.3128, 0.2624,
0.3391

43.2883, 0.2855,
0.3337

39.1964, 0.2529,
0.3420

45.1739, 0.2987,
0.3312

38.3079, 0.2453,
0.3450


47.3408, 0.3126,
0.3290

37.6306, 0.2394,
0.3481


49.8003, 0.3269,
0.3270


37.1453, 0.2355,
0.3512


52.5629, 0.3414,
0.3252

 36.8296, 0.2333,
0.3543

 55.6387, 0.3559,
0.3236

 36.6385, 0.2326,
0.3573

 58.8368, 0.3693,
0.3222

 58.9100, 0.3678,
0.3205

 58.9841, 0.3664,
0.3187

Harmonies

Analogous

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



41.6705, 0.2959, 0.3613



41.6705, 0.2733, 0.3363



41.6705, 0.2612, 0.3104

Triad

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



41.6705, 0.2733, 0.3363



41.6705, 0.2998, 0.2862



41.6705, 0.3656, 0.3647

Complementary

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



41.6705, 0.2733, 0.3363



27.1852, 0.3728, 0.3220

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.



41.6705, 0.3671, 0.3437



41.6705, 0.2733, 0.3363



41.6705, 0.3282, 0.2996

Square

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



41.6705, 0.2733, 0.3363



41.6705, 0.2759, 0.2829



41.6705, 0.3532, 0.3202



41.6705, 0.3495, 0.3774

Rectangle

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



41.6705, 0.2733, 0.3363



41.6705, 0.2604, 0.2965



41.6705, 0.3532, 0.3202



41.6705, 0.3679, 0.3583

Sweetspot

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



41.6722, 0.2733, 0.3363



81.2347, 0.3000, 0.3310



40.4536, 0.3132, 0.4144



17.8255, 0.2980, 0.3314



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.



41.6722, 0.2733, 0.3363



72.9867, 0.2660, 0.3381



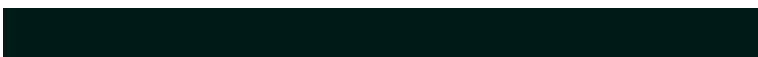
33.4893, 0.2663, 0.2954



10.1961, 0.2997, 0.3311



25.5602, 0.2325, 0.3569



0.9052, 0.2303, 0.3490

Inverse Universe

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



27.1852, 0.3728, 0.3220



42.9369, 0.3916, 0.3205



33.4299, 0.3699, 0.3602



9.0252, 0.3274, 0.3269



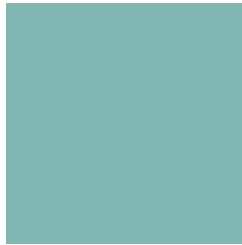
7.0553, 0.6280, 0.3233



0.2532, 0.5858, 0.3001

Previews

White Background



This preview shows how the Yxy color 41.6705, 0.2733, 0.3363 looks on a white background.

Color Contrast Check

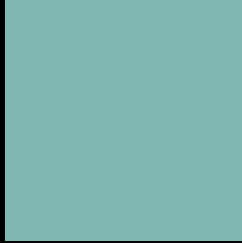
Large Text (above 18pt) WCAG AA × Fail

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 41.6705, 0.2733, 0.3363 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

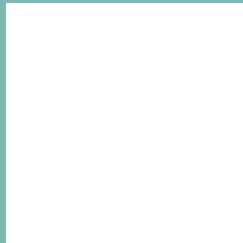
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6705, 0.2733, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 41.6705, 0.2733, 0.3363.



This preview shows how white text looks on a background with the Yxy color 41.6705, 0.2733, 0.3363.

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

41.6705, 0.2733, 0.3363

Protanopia

41.1801, 0.3163, 0.3290

Deuteranopia

41.2879, 0.3172, 0.3106



Tritanopia

41.4882, 0.2645, 0.3075

Trichromacy



Original Color

41.6705, 0.2733, 0.3363

Protanomaly

40.9850, 0.2988, 0.3304

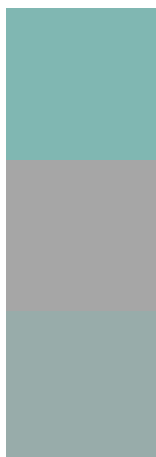
Deuteranomaly

41.0749, 0.2992, 0.3193

Tritanomaly

41.5472, 0.2678, 0.3173

Monochromacy



Original Color

41.6705, 0.2733, 0.3363

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0827, 0.2968, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6705, 0.2733, 0.3363 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 178) }
```

Border

The CSS property to change the border of an element to Yxy 41.6705, 0.2733, 0.3363 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, 178) }
```

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

```
.border{ border-color:rgb(128, 183, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 178);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6705, 0.2733, 0.3363 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, 178) }
```

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

```
.background{ background-color: rgb(128,  
183, 178) }
```

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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