

Converting Colors

$Y_{xy}(41.2460, 0.2535, 0.3334)$

Have a look what the booklet for
Yxy(41.2460, 0.2535, 0.3334)
contains.

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Color

Yxy(41.2460, 0.2535, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	64BAB7
RGB	100, 186, 183
RGB Percent	39%, 73%, 72%
CMY	0.6078, 0.2706, 0.2824
CMYK	0.46, 0.00, 0.02, 0.27
HSL	178°, 38%, 56%
HSV	178°, 46%, 73%
XYZ	31.3613, 41.2460, 51.1059
YIQ	159.9440, -50.2930, -19.1650

Conversions

Conversions Part 2

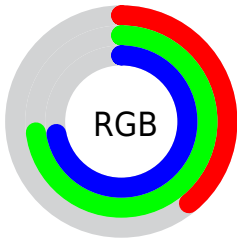
Format	Color
RYB	100, 144, 186
Decimal	6601399
CIELab	70.35, -26.68, -6.55
CIELCh	70, 27.477, 193.799
Yxy	41.2460, 0.2535, 0.3334
Android (android.graphics.Color)	4284791479 (0xFF64BAB7)
YUV	159.9440, 11.3666, -52.5709
Hunter-Lab	64.2230, -25.2255, -2.2243

Details

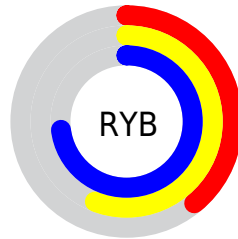
The Yxy color **41.2460, 0.2535, 0.3334** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.5340, 0.4316, 0.3252**, and the grayscale version is **35.0916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8042, 0.2641, 0.3323**, and **18.5857, 0.2365, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **40.2783, 0.2447, 0.3345**, and if you desaturate by 10%, it is **42.4592, 0.2640, 0.3323**.

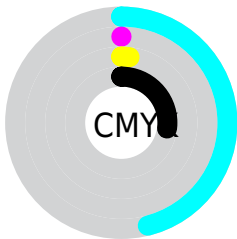
Distribution



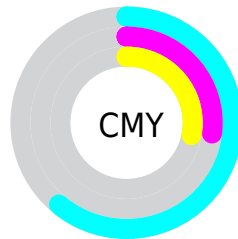
- Red (39%)
- Green (73%)
- Blue (72%)



- Red (39%)
- Yellow (56%)
- Blue (73%)



- Cyan (46%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)





- Cyan (61%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2460, 0.2535, 0.3334 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 41.2460, 0.2535, 0.3334 by changing the saturation by 10% instead.


 41.2460, 0.2535,
0.3334

 41.2460, 0.2535,
0.3334


351.3477, 0.2832,
0.3317

 28.5114, 0.2461,
0.3336


 77.0572, 0.2643,
0.3329

 18.7115, 0.2365,
0.3338


 100.9025, 0.2684,
0.3327

 11.4620, 0.2238,
0.3339


 129.2202, 0.2718,
0.3325

 6.3785, 0.2062,
0.3336

 162.3946, 0.2748,
0.3323

 3.0766, 0.1803,
0.3322

200.8102, 0.2773,
0.3321

 1.1718, 0.1242,
0.3328

244.8513, 0.2795,

 0.0385, 0.0000,

0.3320

0.0715

294.9024, 0.2815,
0.3318

0.0000, 0.0000,
0.0000

41.2460, 0.2535,
0.3334

41.2460, 0.2535,
0.3334

40.2783, 0.2447,
0.3345

42.4592, 0.2640,
0.3323

39.5345, 0.2378,
0.3356

43.9281, 0.2760,
0.3313

38.9974, 0.2328,
0.3368


45.6683, 0.2893,
0.3304

38.6452, 0.2296,
0.3379

47.6926, 0.3035,
0.3295


38.4494, 0.2280,
0.3390


50.0132, 0.3184,
0.3287

 38.3943, 0.2276,
0.3394

 52.6413, 0.3337,
0.3280

 55.5878, 0.3492,
0.3274

 58.8629, 0.3645,
0.3268

 60.0469, 0.3692,
0.3262

Harmonies

Analogous

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



41.2460, 0.2832, 0.3715



41.2460, 0.2535, 0.3334



41.2460, 0.2394, 0.2969

Triad

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



41.2460, 0.2535, 0.3334



41.2460, 0.2993, 0.2711



41.2460, 0.3861, 0.3821

Complementary

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



41.2460, 0.2535, 0.3334



20.5340, 0.4316, 0.3252

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.



41.2460, 0.3920, 0.3530



41.2460, 0.2535, 0.3334



41.2460, 0.3400, 0.2913

Square

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



41.2460, 0.2535, 0.3334



41.2460, 0.2645, 0.2641



41.2460, 0.3748, 0.3204



41.2460, 0.3600, 0.3995

Rectangle

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



41.2460, 0.2535, 0.3334



41.2460, 0.2400, 0.2790



41.2460, 0.3748, 0.3204



41.2460, 0.3906, 0.3733

Sweetspot

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



41.2476, 0.2535, 0.3334



83.4664, 0.2920, 0.3302



39.0007, 0.3091, 0.4708



18.2155, 0.2890, 0.3304



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.



41.2476, 0.2535, 0.3334



73.0543, 0.2450, 0.3345



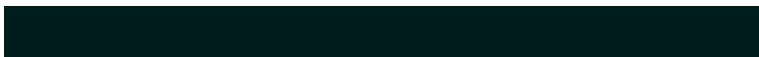
27.2168, 0.2406, 0.2662



10.2051, 0.2990, 0.3298



25.8318, 0.2276, 0.3393



0.9123, 0.2268, 0.3364

Inverse Universe

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



20.5340, 0.4316, 0.3252



31.0689, 0.4722, 0.3247



29.7392, 0.4090, 0.3832



9.0172, 0.3282, 0.3282



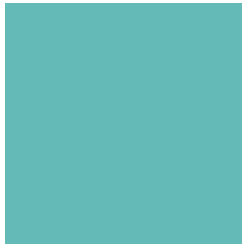
7.0350, 0.6355, 0.3275



0.2497, 0.6178, 0.3177

Previews

White Background



This preview shows how the Yxy color 41.2460, 0.2535, 0.3334 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 41.2460, 0.2535, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

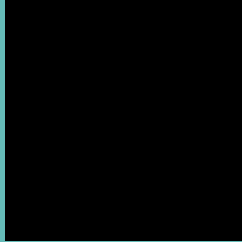
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

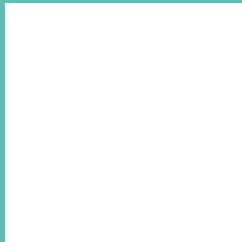
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2460, 0.2535, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 41.2460, 0.2535, 0.3334.

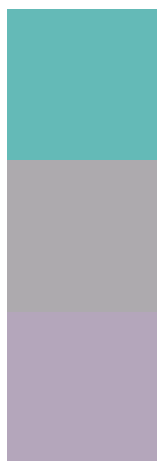


This preview shows how white text looks on a background with the Yxy color 41.2460, 0.2535, 0.3334.

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

41.2460, 0.2535, 0.3334

Protanopia

40.6897, 0.3121, 0.3235

Deuteranopia

40.5636, 0.3077, 0.3012



Tritanopia

41.3615, 0.2471, 0.3082

Trichromacy



Original Color

41.2460, 0.2535, 0.3334

Protanomaly

40.3360, 0.2867, 0.3275

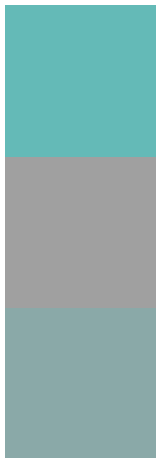
Deuteranomaly

40.0116, 0.2839, 0.3106

Tritanomaly

41.4317, 0.2491, 0.3169

Monochromacy



Original Color

41.2460, 0.2535, 0.3334

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.6064, 0.2865, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2460, 0.2535, 0.3334 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(100, 186, 183)` looks like.

```
.text, #text, p{  
    color:rgb(100, 186, 183)  
}
```

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(100, 186, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 186, 183) }
```

Border

The CSS property to change the border of an element to Yxy 41.2460, 0.2535, 0.3334 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(100, 186, 183) }
```

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

```
.border{ border-color:rgb(100, 186, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 186, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 186, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 186, 183);  
box-shadow:4px 4px 4px 4px rgb(100, 186,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2460, 0.2535, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 186, 183) }
```

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

```
.background{ background-color: rgb(100,  
186, 183) }
```

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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