

Converting Colors

$Y_{xy}(41.8277, 0.2614, 0.3405)$

Have a look what the booklet for
Yxy(41.8277, 0.2614, 0.3405)
contains.

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Color

Yxy(41.6237, 0.2610, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	6DBAB3
RGB	109, 186, 179
RGB Percent	43%, 73%, 70%
CMY	0.5723, 0.2706, 0.2979
CMYK	0.41, 0.00, 0.04, 0.27
HSL	175°, 36%, 58%
HSV	175°, 41%, 73%
XYZ	32.0088, 41.6237, 49.0066
YIQ	162.1790, -43.6450, -18.5010

Conversions

Conversions Part 2

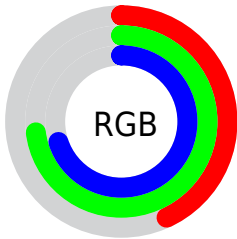
Format	Color
RYB	109, 149, 186
Decimal	7191219
CIELab	70.61, -25.45, -3.94
CIELCh	71, 25.758, 188.805
Yxy	41.6237, 0.2610, 0.3394
Android (android.graphics.Color)	4285381299 (0xFF6DBAB3)
YUV	162.1790, 8.2928, -46.6380
Hunter-Lab	64.5164, -24.3438, 0.1249

Details

The Yxy color **41.6237, 0.2610, 0.3394** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.6489, 0.4073, 0.3194**, and the grayscale version is **36.2022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3949, 0.2701, 0.3369**, and **19.0657, 0.2467, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **40.4994, 0.2518, 0.3423**, and if you desaturate by 10%, it is **43.0017, 0.2718, 0.3366**.

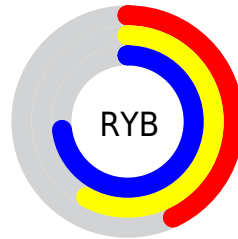
Distribution



Red (43%)

Green (73%)

Blue (70%)



Red (43%)

Yellow (58%)

Blue (73%)

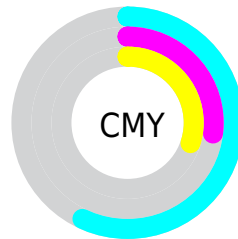


Cyan (41%)

Magenta (0%)

Yellow (4%)

Black (27%)



Cyan (57%)


Magenta (27%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6237, 0.2610, 0.3394 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 41.6237, 0.2610, 0.3394 by changing the saturation by 10% instead.

 41.6237, 0.2610,
0.3394

 41.6237, 0.2610,
0.3394


352.9206, 0.2871,
0.3345


 28.8068, 0.2544,
0.3405


 77.6298, 0.2705,
0.3377


 18.9347, 0.2460,
0.3420


 101.5877, 0.2741,
0.3370

 11.6231, 0.2348,
0.3437

 130.0281, 0.2771,
0.3364

 6.4876, 0.2190,
0.3460

 163.3353, 0.2796,
0.3359

 3.1438, 0.1956,
0.3488

201.8938, 0.2819,
0.3355

 1.2072, 0.1462,
0.3566

246.0879, 0.2838,

 0.0676, 0.0000,

0.3351

0.1622

296.3021, 0.2855,
0.3348

0.0000, 0.0000,
0.0000

41.6237, 0.2610,
0.3394

41.6237, 0.2610,
0.3394

40.4994, 0.2518,
0.3423

43.0017, 0.2718,
0.3366

39.6081, 0.2443,
0.3453

44.6430, 0.2838,
0.3340

38.9336, 0.2387,
0.3484


46.5626, 0.2969,
0.3315


38.4558, 0.2350,
0.3515


48.7730, 0.3108,
0.3293


38.1507, 0.2331,
0.3545


51.2859, 0.3251,
0.3273

 37.9850, 0.2326,
0.3572

 54.1124, 0.3396,
0.3254

 57.2630, 0.3542,
0.3238

 60.2031, 0.3661,
0.3224

 60.2785, 0.3646,
0.3206

Harmonies

Analogous

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



41.6237, 0.2909, 0.3737



41.6237, 0.2610, 0.3394



41.6237, 0.2450, 0.3043

Triad

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



41.6237, 0.2610, 0.3394



41.6237, 0.2942, 0.2726



41.6237, 0.3837, 0.3750

Complementary

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



41.6237, 0.2610, 0.3394



22.6489, 0.4073, 0.3194

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.



41.6237, 0.3855, 0.3467



41.6237, 0.2610, 0.3394



41.6237, 0.3320, 0.2897

Square

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



41.6237, 0.2610, 0.3394



41.6237, 0.2632, 0.2683



41.6237, 0.3662, 0.3161



41.6237, 0.3622, 0.3934

Rectangle

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



41.6237, 0.2610, 0.3394



41.6237, 0.2436, 0.2859



41.6237, 0.3662, 0.3161



41.6237, 0.3868, 0.3662

Sweetspot

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



41.6253, 0.2610, 0.3394



84.0947, 0.2958, 0.3317



39.9849, 0.3126, 0.4526



18.4135, 0.2941, 0.3320



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.



41.6253, 0.2610, 0.3394



73.5123, 0.2522, 0.3422



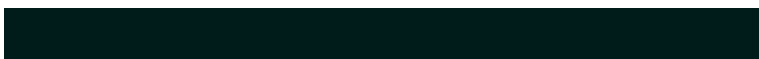
30.3150, 0.2491, 0.2804



10.1962, 0.2997, 0.3311



25.5629, 0.2324, 0.3568



0.9053, 0.2303, 0.3489

Inverse Universe

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



22.6489, 0.4073, 0.3194



34.2953, 0.4420, 0.3176



30.2502, 0.3984, 0.3724



9.0251, 0.3274, 0.3270



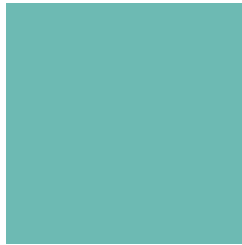
7.0551, 0.6281, 0.3234



0.2532, 0.5861, 0.3003

Previews

White Background



This preview shows how the Yxy color 41.6237, 0.2610, 0.3394 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 41.6237, 0.2610, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

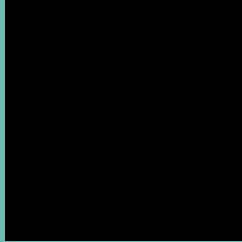
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

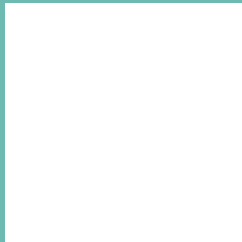
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6237, 0.2610, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 41.6237, 0.2610, 0.3394.

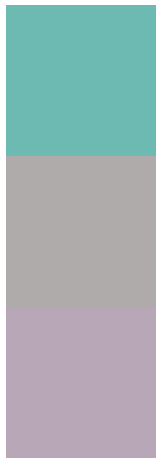


This preview shows how white text looks on a background with the Yxy color 41.6237, 0.2610, 0.3394.

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

41.6237, 0.2610, 0.3394

Protanopia

41.1421, 0.3172, 0.3304

Deuteranopia

41.1236, 0.3137, 0.3079



Tritanopia

41.5216, 0.2519, 0.3070

Trichromacy



Original Color

41.6237, 0.2610, 0.3394

Protanomaly

40.6471, 0.2938, 0.3333

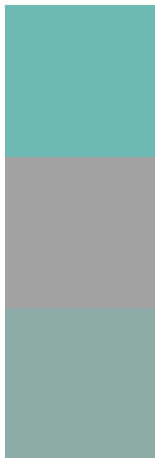
Deuteranomaly

40.7174, 0.2910, 0.3177

Tritanomaly

41.4873, 0.2551, 0.3185

Monochromacy



Original Color

41.6237, 0.2610, 0.3394

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7926, 0.2908, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6237, 0.2610, 0.3394 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(109, 186, 179)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 179)  
}
```

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(109, 186, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 179) }
```

Border

The CSS property to change the border of an element to Yxy 41.6237, 0.2610, 0.3394 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(109, 186, 179) }
```

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

```
.border{ border-color:rgb(109, 186, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 186, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 179);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6237, 0.2610, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 179) }
```

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

```
.background{ background-color: rgb(109,  
186, 179) }
```

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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