

Converting Colors

$Y_{xy}(47.0252, 0.2656, 0.3727)$

Have a look what the booklet for
Yxy(47.0252, 0.2656, 0.3727)
contains.

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Color

Yxy(47.1324, 0.2654, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	67C8AB
RGB	103, 200, 171
RGB Percent	40%, 78%, 67%
CMY	0.5961, 0.2157, 0.3293
CMYK	0.49, 0.00, 0.14, 0.22
HSL	162°, 47%, 59%
HSV	162°, 49%, 78%
XYZ	33.5991, 47.1324, 45.8664
YIQ	167.6910, -48.5030, -29.5830

Conversions

Conversions Part 2

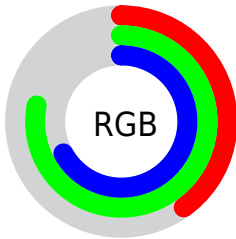
Format	Color
RYB	103, 160, 200
Decimal	6801579
CIELab	74.27, -35.58, 5.72
CIElCh	74, 36.035, 170.866
Yxy	47.1324, 0.2654, 0.3723
Android (android.graphics.Color)	4284991659 (0xFF67C8AB)
YUV	167.6910, 1.6313, -56.7340
Hunter-Lab	68.6530, -32.7842, 8.4461

Details

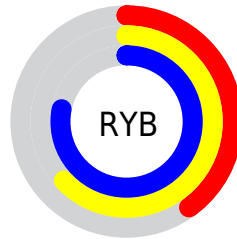
The Yxy color **47.1324, 0.2654, 0.3723** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.6432, 0.4047, 0.2914**, and the grayscale version is **39.0084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4846, 0.2742, 0.3620**, and **22.0963, 0.2513, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **45.8671, 0.2591, 0.3831**, and if you desaturate by 10%, it is **48.6946, 0.2733, 0.3620**.

Distribution



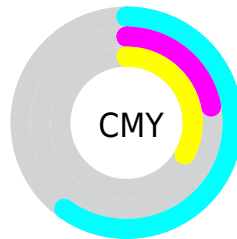
- Red (40%)
- Green (78%)
- Blue (67%)



- Red (40%)
- Yellow (63%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (60%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1324, 0.2654, 0.3723 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 47.1324, 0.2654, 0.3723 by changing the saturation by 10% instead.

 47.1324, 0.2654,
0.3723


 47.1324, 0.2654,
0.3723


375.3428, 0.2892,
0.3502

 33.1403, 0.2594,
0.3780

 85.9112, 0.2741,
0.3642


 22.2340, 0.2518,
0.3853


 111.4668, 0.2773,
0.3611

 14.0289, 0.2415,
0.3953

 141.6456, 0.2801,
0.3586

 8.1408, 0.2272,
0.4095

 176.8321, 0.2824,
0.3564

 4.1852, 0.2060,
0.4312

217.4107, 0.2844,
0.3545

 1.7777, 0.1677,
0.4706

263.7657, 0.2862,

 0.4732, 0.0000,

0.3529

0.8041

316.2816, 0.2878,
0.3515

■ 0.0000, 0.0000,
0.0000

■ 47.1324, 0.2654,
0.3723

■ 47.1324, 0.2654,
0.3723

■ 45.8671, 0.2591,
0.3831

■ 48.6946, 0.2733,
0.3620

■ 44.8724, 0.2545,
0.3943

■ 50.5666, 0.2824,
0.3524

■ 44.1268, 0.2519,
0.4056


■ 52.7675, 0.2925,
0.3435

■ 43.6028, 0.2513,
0.4170


■ 55.3128, 0.3032,
0.3353

■ 43.2571, 0.2525,
0.4281


■ 58.2175, 0.3144,
0.3280

 43.2113, 0.2527,
0.4298

 61.4953, 0.3257,
0.3214

 65.1595, 0.3370,
0.3155

 67.6750, 0.3419,
0.3099

 67.9950, 0.3373,
0.3040

Harmonies

Analogous

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



47.1324, 0.3117, 0.4102



47.1324, 0.2654, 0.3723



47.1324, 0.2333, 0.3220

Triad

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



47.1324, 0.2654, 0.3723



47.1324, 0.2615, 0.2496



47.1324, 0.4131, 0.3665

Complementary

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



47.1324, 0.2654, 0.3723



23.6432, 0.4047, 0.2914

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.



47.1324, 0.3984, 0.3268



47.1324, 0.2654, 0.3723



47.1324, 0.3072, 0.2625

Square

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



47.1324, 0.2654, 0.3723



47.1324, 0.2314, 0.2546



47.1324, 0.3583, 0.2899



47.1324, 0.3983, 0.4011

Rectangle

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



47.1324, 0.2654, 0.3723



47.1324, 0.2231, 0.2918



47.1324, 0.3583, 0.2899



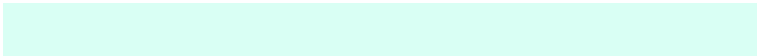
47.1324, 0.4115, 0.3534

Sweetspot

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



47.1343, 0.2654, 0.3723



92.7393, 0.2960, 0.3407



47.2022, 0.3261, 0.4718



19.6561, 0.2937, 0.3425



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.1343, 0.2654, 0.3723



79.3462, 0.2589, 0.3835



39.9387, 0.2440, 0.3002



12.0115, 0.3023, 0.3360



27.4907, 0.2523, 0.4282



1.3140, 0.2458, 0.4049

Inverse Universe

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



23.6432, 0.4047, 0.2914



34.0397, 0.4366, 0.2851



27.2744, 0.4328, 0.3547



10.6882, 0.3243, 0.3221



8.0273, 0.5744, 0.2938



0.3931, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 47.1324, 0.2654, 0.3723 looks on a white background.

Color Contrast Check

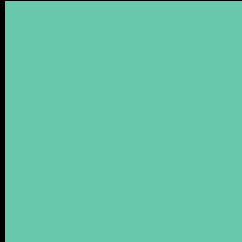
Large Text (above 18pt) WCAG AA × Fail

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 47.1324, 0.2654, 0.3723 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

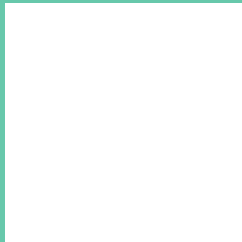
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1324, 0.2654, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 47.1324, 0.2654, 0.3723.

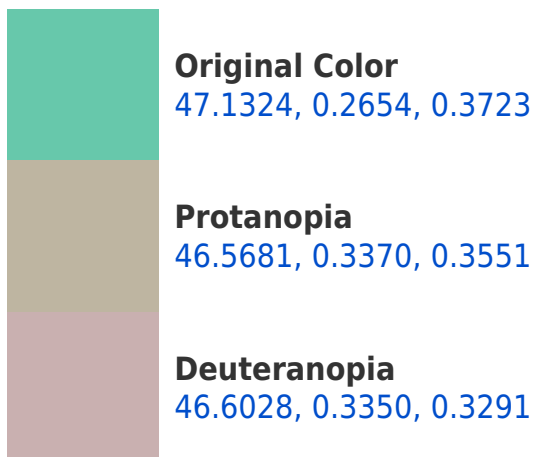


This preview shows how white text looks on a background with the Yxy color 47.1324, 0.2654, 0.3723.

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





Tritanopia

46.8141, 0.2480, 0.3066

Trichromacy



Original Color

47.1324, 0.2654, 0.3723



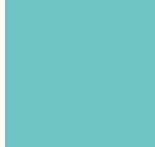
Protanomaly

45.9522, 0.3055, 0.3611



Deuteranomaly

45.7532, 0.3046, 0.3440



Tritanomaly

46.7804, 0.2540, 0.3288

Monochromacy



Original Color

47.1324, 0.2654, 0.3723



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.4364, 0.2913, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1324, 0.2654, 0.3723 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(103, 200, 171)` looks like.

```
.text, #text, p{  
    color:rgb(103, 200, 171)  
}
```

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(103, 200, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 200, 171) }
```

Border

The CSS property to change the border of an element to Yxy 47.1324, 0.2654, 0.3723 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(103, 200, 171) }
```

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

```
.border{ border-color:rgb(103, 200, 171) }
```

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

Here you see how a box with a 4 pixel rgb(103, 200, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 200, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 200, 171);  
box-shadow:4px 4px 4px 4px rgb(103, 200,  
171) }
```


Background

The CSS property to change the background color of an element to `rgb(47.1324, 0.2654, 0.3723)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 200, 171) }
```

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

```
.background{ background-color: rgb(103,  
200, 171) }
```

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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