

Converting Colors

$Yxy(39.7947, 0.2624, 0.3725)$

Have a look what the booklet for
Yxy(39.7947, 0.2624, 0.3725)
contains.

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Color

Yxy(39.7947, 0.2624, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	5ABA9F
RGB	90, 186, 159
RGB Percent	35%, 73%, 62%
CMY	0.6471, 0.2706, 0.3765
CMYK	0.52, 0.00, 0.15, 0.27
HSL	163°, 41%, 54%
HSV	163°, 52%, 73%
XYZ	28.0326, 39.7947, 39.0041
YIQ	154.2180, -48.5490, -28.7490

Conversions

Conversions Part 2

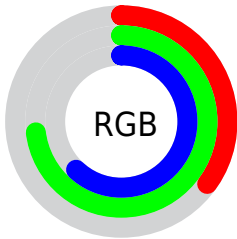
Format	Color
RYB	90, 146, 186
Decimal	5946015
CIELab	69.32, -34.95, 5.07
CIELCh	69, 35.316, 171.750
Yxy	39.7947, 0.2624, 0.3725
Android (android.graphics.Color)	4284136095 (0xFF5ABA9F)
YUV	154.2180, 2.3575, -56.3192
Hunter-Lab	63.0830, -31.0743, 7.4992

Details

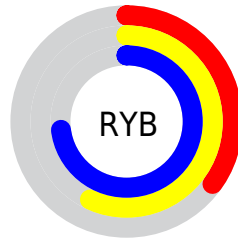
The Yxy color **39.7947, 0.2624, 0.3725** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.0351, 0.4157, 0.2918**, and the grayscale version is **32.4209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0672, 0.2717, 0.3639**, and **17.8182, 0.2467, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **38.7996, 0.2564, 0.3827**, and if you desaturate by 10%, it is **41.0340, 0.2700, 0.3628**.

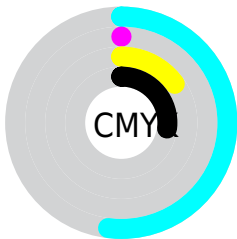
Distribution



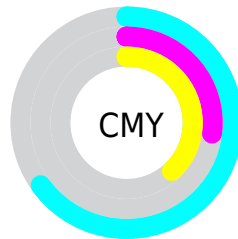
- Red (35%)
- Green (73%)
- Blue (62%)



- Red (35%)
- Yellow (57%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)




- Cyan (65%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7947, 0.2624, 0.3725 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 39.7947, 0.2624, 0.3725 by changing the saturation by 10% instead.

 39.7947, 0.2624,
0.3725


 39.7947, 0.2624,
0.3725


345.2575, 0.2884,
0.3497


 27.3785, 0.2557,
0.3786


 74.8508, 0.2720,
0.3640


 17.8577, 0.2469,
0.3865


 98.2595, 0.2756,
0.3608

 10.8479, 0.2349,
0.3976


 126.1011, 0.2786,
0.3582

 5.9646, 0.2177,
0.4138

 158.7601, 0.2811,
0.3560

 2.8236, 0.1912,
0.4398

196.6209, 0.2833,
0.3541

 1.0403, 0.0660,
0.5369

240.0677, 0.2852,

 0.0000, 0.0000,

0.3524

0.0000

289.4852, 0.2869,
0.3510

■ 39.7947, 0.2624,
0.3725

■ 39.7947, 0.2624,
0.3725

■ 38.7996, 0.2564,
0.3827

■ 41.0340, 0.2700,
0.3628

■ 38.0262, 0.2523,
0.3931

■ 42.5287, 0.2789,
0.3536

■ 37.4556, 0.2501,
0.4037

■ 44.2951, 0.2889,
0.3450

■ 37.0635, 0.2499,
0.4142

■ 46.3466, 0.2996,
0.3372

■ 36.8323, 0.2508,
0.4230

■ 48.6959, 0.3109,
0.3301

■ 51.3547, 0.3224,
0.3237

■ 54.3343, 0.3339,
0.3180

■ 57.6452, 0.3453,
0.3129

■ 60.8401, 0.3546,
0.3084

Harmonies

Analogous

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



39.7947, 0.3100, 0.4127



39.7947, 0.2624, 0.3725



39.7947, 0.2299, 0.3201

Triad

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



39.7947, 0.2624, 0.3725



39.7947, 0.2608, 0.2471



39.7947, 0.4168, 0.3687

Complementary

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



39.7947, 0.2624, 0.3725



19.0351, 0.4157, 0.2918

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.



39.7947, 0.4025, 0.3277



39.7947, 0.2624, 0.3725



39.7947, 0.3085, 0.2609

Square

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



39.7947, 0.2624, 0.3725



39.7947, 0.2293, 0.2515



39.7947, 0.3614, 0.2896



39.7947, 0.4005, 0.4044

Rectangle

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



39.7947, 0.2624, 0.3725



39.7947, 0.2198, 0.2891



39.7947, 0.3614, 0.2896



39.7947, 0.4155, 0.3552

Sweetspot

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



39.7963, 0.2624, 0.3725



82.5904, 0.2957, 0.3400



39.6533, 0.3251, 0.4816



18.0136, 0.2934, 0.3416



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.



39.7963, 0.2624, 0.3725



70.1018, 0.2557, 0.3841



32.7019, 0.2402, 0.2956



10.1664, 0.3022, 0.3355



24.7916, 0.2505, 0.4216



0.8840, 0.2430, 0.3947

Inverse Universe

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



19.0351, 0.4157, 0.2918



28.3149, 0.4534, 0.2862



22.5020, 0.4419, 0.3582



9.0526, 0.3245, 0.3226



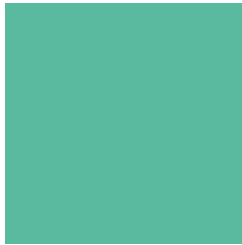
7.2031, 0.5795, 0.2966



0.2649, 0.5041, 0.2551

Previews

White Background



This preview shows how the Yxy color 39.7947, 0.2624, 0.3725 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 39.7947, 0.2624, 0.3725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

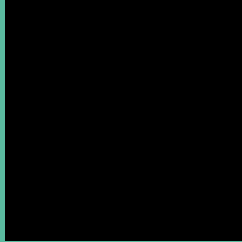
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7947, 0.2624, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 39.7947, 0.2624, 0.3725.



This preview shows how white text looks on a background with the Yxy color 39.7947, 0.2624, 0.3725.

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

39.7947, 0.2624, 0.3725

Protanopia

39.4053, 0.3369, 0.3556

Deuteranopia

39.3138, 0.3338, 0.3277



Tritanopia

39.7546, 0.2458, 0.3079

Trichromacy



Original Color

39.7947, 0.2624, 0.3725

Protanomaly

38.9796, 0.3042, 0.3620

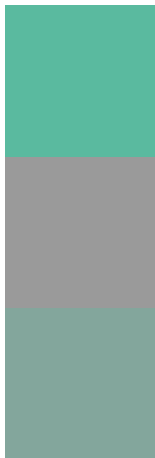
Deuteranomaly

38.3138, 0.3023, 0.3422

Tritanomaly

39.7858, 0.2517, 0.3304

Monochromacy



Original Color

39.7947, 0.2624, 0.3725

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.4980, 0.2897, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7947, 0.2624, 0.3725 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(90, 186, 159)` looks like.

```
.text, #text, p{  
    color:rgb(90, 186, 159)  
}
```

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(90, 186, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 186, 159) }
```

Border

The CSS property to change the border of an element to Yxy 39.7947, 0.2624, 0.3725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

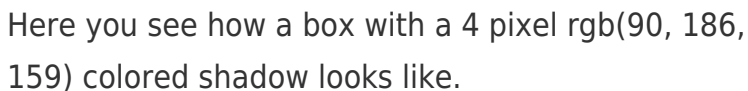
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 186, 159) }
```

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

```
.border{ border-color:rgb(90, 186, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 186, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 186, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 186, 159);  
box-shadow:4px 4px 4px 4px rgb(90, 186,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7947, 0.2624, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 186, 159) }
```

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

```
.background{ background-color: rgb(90, 186,  
159) }
```

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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