

Converting Colors

$Y_{xy}(39.7942, 0.2607, 0.3607)$

Have a look what the booklet for
Yxy(39.7942, 0.2607, 0.3607)
contains.

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Color

$\text{Yxy}(39.7942, 0.2607, 0.3607)$

Conversions

Conversions Part 1

Format	Color
Hex	5EB9A5
RGB	94, 185, 165
RGB Percent	37%, 73%, 65%
CMY	0.6311, 0.2745, 0.3529
CMYK	0.49, 0.00, 0.11, 0.27
HSL	167°, 39%, 55%
HSV	167°, 49%, 73%
XYZ	28.7617, 39.7942, 41.7690
YIQ	155.5110, -47.8160, -25.5120

Conversions

Conversions Part 2

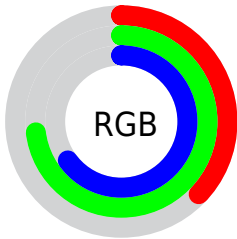
Format	Color
RYB	94, 145, 185
Decimal	6207909
CIELab	69.32, -32.09, 1.79
CIElCh	69, 32.137, 176.812
Yxy	39.7942, 0.2607, 0.3607
Android (android.graphics.Color)	4284397989 (0xFF5EB9A5)
YUV	155.5110, 4.6781, -53.9451
Hunter-Lab	63.0826, -29.0099, 4.9001

Details

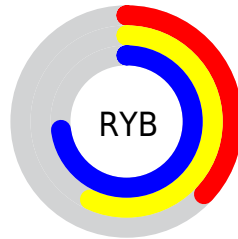
The Yxy color **39.7942, 0.2607, 0.3607** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.5451, 0.4170, 0.3013**, and the grayscale version is **33.0185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5619, 0.2704, 0.3540**, and **17.7649, 0.2452, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **38.7858, 0.2538, 0.3684**, and if you desaturate by 10%, it is **41.0449, 0.2692, 0.3533**.

Distribution



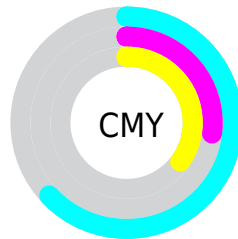
- Red (37%)
- Green (73%)
- Blue (65%)



- Red (37%)
- Yellow (57%)
- Blue (73%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (63%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7942, 0.2607, 0.3607 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 39.7942, 0.2607, 0.3607 by changing the saturation by 10% instead.


 39.7942, 0.2607,
0.3607


 39.7942, 0.2607,
0.3607

345.2554, 0.2873,
0.3443


 27.3781, 0.2539,
0.3650


 74.8500, 0.2705,
0.3546


 17.8574, 0.2450,
0.3705


 98.2586, 0.2742,
0.3524

 10.8477, 0.2329,
0.3781


 126.1000, 0.2772,
0.3505

 5.9645, 0.2158,
0.3890

 158.7589, 0.2799,
0.3489

 2.8235, 0.1897,
0.4060

196.6194, 0.2821,
0.3475

 1.0403, 0.0883,
0.4650

240.0661, 0.2841,

 0.0000, 0.0000,

0.3463

0.0000

289.4833, 0.2858,
0.3453

■ 39.7942, 0.2607,
0.3607

■ 39.7942, 0.2607,
0.3607

■ 38.7858, 0.2538,
0.3684

■ 41.0449, 0.2692,
0.3533

■ 37.9979, 0.2487,
0.3763

■ 42.5484, 0.2790,
0.3464

■ 37.4127, 0.2456,
0.3844

■ 44.3205, 0.2899,
0.3399

■ 37.0074, 0.2443,
0.3924

■ 46.3742, 0.3016,
0.3340

■ 36.7408, 0.2447,
0.4004


■ 48.7217, 0.3138,
0.3286

 36.7202, 0.2447,
0.4010

 51.3744, 0.3262,
0.3237

 54.3431, 0.3387,
0.3194

 57.6382, 0.3511,
0.3156

 60.2010, 0.3586,
0.3119

Harmonies

Analogous

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



39.7942, 0.3027, 0.4000



39.7942, 0.2607, 0.3607



39.7942, 0.2336, 0.3136

Triad

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



39.7942, 0.2607, 0.3607



39.7942, 0.2719, 0.2548



39.7942, 0.4069, 0.3721

Complementary

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



39.7942, 0.2607, 0.3607



19.5451, 0.4170, 0.3013

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.



39.7942, 0.3984, 0.3346



39.7942, 0.2607, 0.3607



39.7942, 0.3172, 0.2701

Square

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



39.7942, 0.2607, 0.3607



39.7942, 0.2399, 0.2561



39.7942, 0.3646, 0.2985



39.7942, 0.3881, 0.4024

Rectangle

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



39.7942, 0.2607, 0.3607



39.7942, 0.2266, 0.2868



39.7942, 0.3646, 0.2985



39.7942, 0.4072, 0.3599

Sweetspot

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



39.7958, 0.2607, 0.3607



80.7599, 0.2944, 0.3375



39.1687, 0.3213, 0.4753



17.2493, 0.2920, 0.3388



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.



39.7958, 0.2607, 0.3607



69.3408, 0.2533, 0.3690



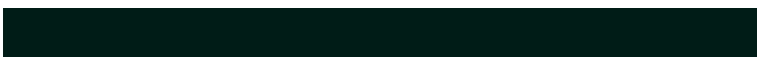
31.2860, 0.2416, 0.2899



10.1759, 0.3014, 0.3341



25.0159, 0.2445, 0.4000



0.8904, 0.2388, 0.3795

Inverse Universe

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



19.5451, 0.4170, 0.3013



28.8544, 0.4549, 0.2969



24.1523, 0.4295, 0.3634



9.0437, 0.3254, 0.3240



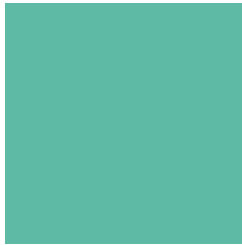
7.1396, 0.5991, 0.3074



0.2611, 0.5270, 0.2677

Previews

White Background



This preview shows how the Yxy color 39.7942, 0.2607, 0.3607 looks on a white background.

Color Contrast Check

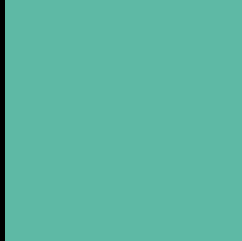
Large Text (above 18pt) WCAG AA × Fail

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 39.7942, 0.2607, 0.3607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

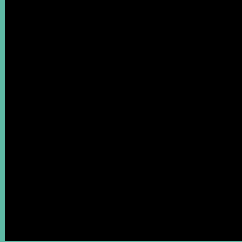
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

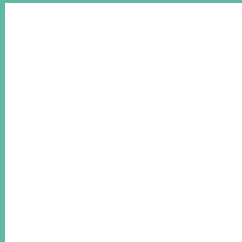
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7942, 0.2607, 0.3607

Background



This preview shows how black text looks on a background with the Yxy color 39.7942, 0.2607, 0.3607.



This preview shows how white text looks on a background with the Yxy color 39.7942, 0.2607, 0.3607.

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

39.7942, 0.2607, 0.3607

Protanopia

39.4042, 0.3287, 0.3458

Deuteranopia

39.2870, 0.3264, 0.3197



Tritanopia

39.8714, 0.2469, 0.3079

Trichromacy



Original Color

39.7942, 0.2607, 0.3607

Protanomaly

38.7950, 0.2995, 0.3514

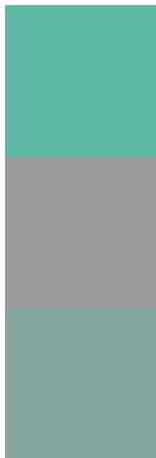
Deuteranomaly

38.5323, 0.2975, 0.3333

Tritanomaly

39.6259, 0.2518, 0.3258

Monochromacy



Original Color

39.7942, 0.2607, 0.3607

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.1272, 0.2891, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7942, 0.2607, 0.3607 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(94, 185, 165)` looks like.

```
.text, #text, p{  
  color:rgb(94, 185, 165)  
}
```

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(94, 185, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 185, 165) }
```

Border

The CSS property to change the border of an element to Yxy 39.7942, 0.2607, 0.3607 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(94, 185, 165) }
```

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

```
.border{ border-color:rgb(94, 185, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 185, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 185, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 185, 165);  
box-shadow:4px 4px 4px 4px rgb(94, 185,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7942, 0.2607, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 185, 165) }
```

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

```
.background{ background-color: rgb(94, 185,  
165) }
```

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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