

Converting Colors

$Yxy(39.3904, 0.2809, 0.4075)$

Have a look what the booklet for
Yxy(39.3904, 0.2809, 0.4075)
contains.

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Color

Yxy(39.6054, 0.2809, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	63BA8A
RGB	99, 186, 138
RGB Percent	39%, 73%, 54%
CMY	0.6120, 0.2705, 0.4588
CMYK	0.47, 0.00, 0.26, 0.27
HSL	147°, 39%, 56%
HSV	147°, 47%, 73%
XYZ	27.2876, 39.6054, 30.2505
YIQ	154.5150, -36.4440, -33.3720

Conversions

Conversions Part 2

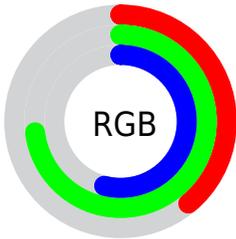
Format	Color
RYB	99, 159, 186
Decimal	6535818
CIELab	69.19, -37.34, 16.37
CIElCh	69, 40.772, 156.325
Yxy	39.6054, 0.2809, 0.4077
Android (android.graphics.Color)	4284725898 (0xFF63BA8A)
YUV	154.5150, -8.1419, -48.6867
Hunter-Lab	62.9328, -32.7350, 15.5535

Details

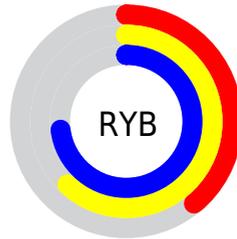
The Yxy color **39.6054, 0.2809, 0.4077** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.4599, 0.3674, 0.2630**, and the grayscale version is **32.5971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7770, 0.2873, 0.3913**, and **17.6993, 0.2692, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **38.3946, 0.2765, 0.4285**, and if you desaturate by 10%, it is **41.0887, 0.2865, 0.3881**.

Distribution



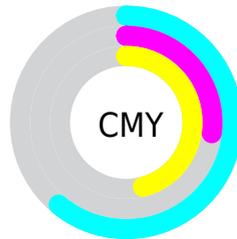
- Red (39%)
- Green (73%)
- Blue (54%)



- Red (39%)
- Yellow (62%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)



- Cyan (61%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6054, 0.2809, 0.4077 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 39.6054, 0.2809, 0.4077 by changing the saturation by 10% instead.

 39.6054, 0.2809,
0.4077

 39.6054, 0.2809,
0.4077

344.4576, 0.2982,
0.3653

 27.2310, 0.2761,
0.4194

 74.5623, 0.2875,
0.3915

 17.7468, 0.2696,
0.4350

 97.9135, 0.2899,
0.3857

 10.7684, 0.2603,
0.4572

 125.6925, 0.2919,
0.3808

 5.9113, 0.2462,
0.4906

 158.2837, 0.2936,
0.3767

 2.7912, 0.2224,
0.5462

196.0714, 0.2950,
0.3733

 1.0237, 0.0511,
0.9489

239.4400, 0.2962,

 0.0000, 0.0000,

0.3702

0.0000

288.7739, 0.2973,
0.3676

 39.6054, 0.2809,
0.4077

 39.6054, 0.2809,
0.4077

 38.3946, 0.2765,
0.4285

 41.0887, 0.2865,
0.3881

 37.4340, 0.2737,
0.4499

 42.8556, 0.2930,
0.3698

 36.7053, 0.2726,
0.4713

 44.9224, 0.3001,
0.3532

 36.1856, 0.2735,
0.4922

 47.3028, 0.3076,
0.3383

 35.8440, 0.2762,
0.5117

 50.0095, 0.3151,
0.3249

 35.7535, 0.2772,
0.5177

 53.0546, 0.3226,
0.3131

 56.4495, 0.3300,
0.3027

 60.2051, 0.3371,
0.2936

 62.1134, 0.3347,
0.2843

Harmonies

Analogous

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



39.6054, 0.3392, 0.4377



39.6054, 0.2809, 0.4077



39.6054, 0.2339, 0.3495

Triad

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



39.6054, 0.2809, 0.4077



39.6054, 0.2321, 0.2354



39.6054, 0.4291, 0.3491

Complementary

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



39.6054, 0.2809, 0.4077



21.4599, 0.3674, 0.2630

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.



39.6054, 0.3951, 0.3037



39.6054, 0.2809, 0.4077



39.6054, 0.2776, 0.2412

Square

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



39.6054, 0.2809, 0.4077



39.6054, 0.2084, 0.2514



39.6054, 0.3375, 0.2655



39.6054, 0.4274, 0.3945

Rectangle

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



39.6054, 0.2809, 0.4077



39.6054, 0.2144, 0.3090



39.6054, 0.3375, 0.2655



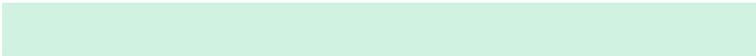
39.6054, 0.4215, 0.3336

Sweetspot

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



39.6070, 0.2809, 0.4077



82.4690, 0.3020, 0.3492



42.3445, 0.3460, 0.4568



17.9646, 0.3004, 0.3526



95.5105, 0.3127, 0.3290



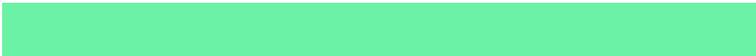
19.5994, 0.3127, 0.3290

Same Dimension

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



39.6070, 0.2809, 0.4077



69.5599, 0.2765, 0.4287



41.0757, 0.2546, 0.3377



10.1253, 0.3057, 0.3419



24.0655, 0.2765, 0.5153



0.8609, 0.2623, 0.4642

Inverse Universe

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



21.4599, 0.3674, 0.2630



32.7043, 0.3852, 0.2504



20.3695, 0.4297, 0.3212



9.0929, 0.3204, 0.3165



7.6914, 0.4717, 0.2372



0.2834, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 39.6054, 0.2809, 0.4077 looks on a white background.

Color Contrast Check

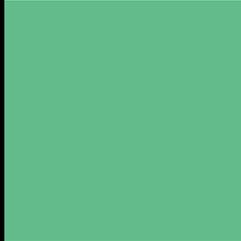
Large Text (above 18pt) WCAG AA × Fail

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 39.6054, 0.2809, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

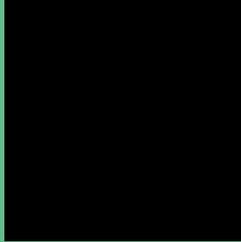
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

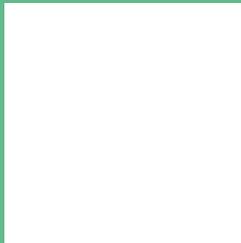
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6054, 0.2809, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 39.6054, 0.2809, 0.4077.



This preview shows how white text looks on a background with the Yxy color 39.6054, 0.2809, 0.4077.

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

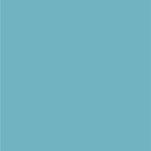
39.6054, 0.2809, 0.4077

Protanopia

39.1739, 0.3579, 0.3836

Deuteranopia

39.1613, 0.3609, 0.3545



Tritanopia

39.6012, 0.2533, 0.3081

Trichromacy



Original Color

39.6054, 0.2809, 0.4077



Protanomaly

38.8099, 0.3256, 0.3940



Deuteranomaly

38.4198, 0.3271, 0.3733



Tritanomaly

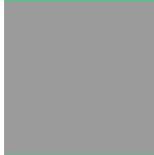
39.6612, 0.2632, 0.3428

Monochromacy



Original Color

39.6054, 0.2809, 0.4077



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.5933, 0.2988, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6054, 0.2809, 0.4077 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(99, 186, 138)` looks like.

```
.text, #text, p{  
    color:rgb(99, 186, 138)  
}
```

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(99, 186, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 186, 138) }
```

Border

The CSS property to change the border of an element to Yxy 39.6054, 0.2809, 0.4077 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(99, 186, 138) }
```

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

```
.border{ border-color:rgb(99, 186, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 186, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 186, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 186, 138);  
box-shadow:4px 4px 4px 4px rgb(99, 186,  
138) }
```

Background

The CSS property to change the background color of an element to Yxy 39.6054, 0.2809, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 186, 138) }
```

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

```
.background{ background-color: rgb(99, 186,  
138) }
```

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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