

Converting Colors

$Y_{xy}(40.2119, 0.2543, 0.3174)$

Have a look what the booklet for
Yxy(40.2119, 0.2543, 0.3174)
contains.

Yxy(40.0369, 0.2544, 0.3169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.0369, 0.2544, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	6EB5BD
RGB	110, 181, 189
RGB Percent	43%, 71%, 74%
CMY	0.5685, 0.2902, 0.2589
CMYK	0.42, 0.04, 0.00, 0.26
HSL	186°, 37%, 59%
HSV	186°, 42%, 74%
XYZ	32.1407, 40.0369, 54.1616
YIQ	160.6830, -44.8840, -12.5640

Conversions

Conversions Part 2

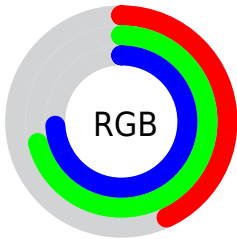
Format	Color
RYB	110, 147, 189
Decimal	7255485
CIELab	69.50, -20.17, -11.06
CIElCh	69, 23.005, 208.738
Yxy	40.0369, 0.2544, 0.3169
Android (android.graphics.Color)	4285445565 (0xFF6EB5BD)
YUV	160.6830, 13.9603, -44.4490
Hunter-Lab	63.2747, -20.0608, -6.4585

Details

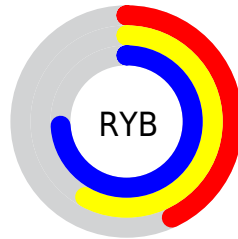
The Yxy color **40.0369, 0.2544, 0.3169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **24.9023, 0.4139, 0.3404**, and the grayscale version is **35.4399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1603, 0.2650, 0.3198**, and **18.0281, 0.2376, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **38.1813, 0.2435, 0.3136**, and if you desaturate by 10%, it is **42.1647, 0.2668, 0.3201**.

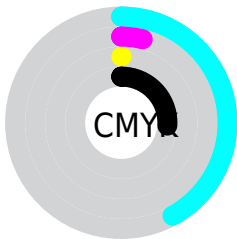
Distribution



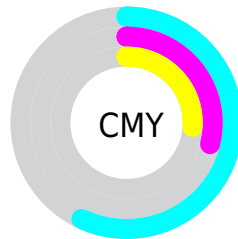
- Red (43%)
- Green (71%)
- Blue (74%)



- Red (43%)
- Yellow (58%)
- Blue (74%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)




- Cyan (57%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0369, 0.2544, 0.3169 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 40.0369, 0.2544, 0.3169 by changing the saturation by 10% instead.


 40.0369, 0.2544,
0.3169


 40.0369, 0.2544,
0.3169


346.2791, 0.2837,
0.3237

 27.5673, 0.2471,
0.3149


 75.2197, 0.2651,
0.3196


 17.9998, 0.2376,
0.3123


 98.7017, 0.2691,
0.3205

 10.9498, 0.2251,
0.3085


 126.6233, 0.2725,
0.3213

 6.0331, 0.2077,
0.3027

 159.3689, 0.2754,
0.3219

 2.8652, 0.1822,
0.2929

197.3229, 0.2779,
0.3225

 1.0618, 0.1321,
0.2768

240.8696, 0.2801,

 0.0000, 0.0000,

0.3230

0.0000

290.3936, 0.2820,
0.3234

■ 40.0369, 0.2544,
0.3169

■ 40.0369, 0.2544,
0.3169

■ 38.1813, 0.2435,
0.3136

■ 42.1647, 0.2668,
0.3201

■ 36.5767, 0.2343,
0.3101

■ 44.5753, 0.2804,
0.3231

■ 35.2061, 0.2269,
0.3066

■ 47.2841, 0.2949,
0.3260


■ 34.0482, 0.2215,
0.3032


■ 50.3043, 0.3100,
0.3286

■ 33.0779, 0.2178,
0.2997

■ 53.6480, 0.3255,
0.3309

 32.3794, 0.2158,
0.2969

 57.3269, 0.3410,
0.3331

 61.3519, 0.3564,
0.3350

 64.5346, 0.3664,
0.3367

 65.4027, 0.3659,
0.3387

Harmonies

Analogous

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



40.0369, 0.2738, 0.3495



40.0369, 0.2544, 0.3169



40.0369, 0.2498, 0.2902

Triad

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



40.0369, 0.2544, 0.3169



40.0369, 0.3186, 0.2868



40.0369, 0.3658, 0.3833

Complementary

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



40.0369, 0.2544, 0.3169



24.9023, 0.4139, 0.3404

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.



40.0369, 0.3797, 0.3630



40.0369, 0.2544, 0.3169



40.0369, 0.3518, 0.3087

Square

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



40.0369, 0.2544, 0.3169



40.0369, 0.2855, 0.2748



40.0369, 0.3746, 0.3359



40.0369, 0.3378, 0.3895

Rectangle

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



40.0369, 0.2544, 0.3169



40.0369, 0.2555, 0.2789



40.0369, 0.3746, 0.3359



40.0369, 0.3723, 0.3778

Sweetspot

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



40.0385, 0.2544, 0.3169



83.9808, 0.2927, 0.3256



41.0075, 0.3017, 0.4435



17.8224, 0.2895, 0.3250



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.



40.0385, 0.2544, 0.3169



68.7068, 0.2445, 0.3139



26.2221, 0.2442, 0.2538



10.6404, 0.2985, 0.3266



21.8572, 0.2159, 0.2974



0.9043, 0.2182, 0.3056

Inverse Universe

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



25.3125, 0.3262, 0.2366



39.2451, 0.3298, 0.2185



36.1917, 0.3906, 0.3935



9.6792, 0.3153, 0.3086



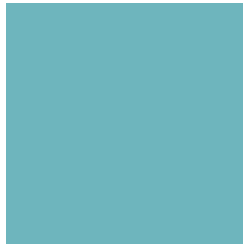
9.2362, 0.3478, 0.1689



0.3666, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 40.0369, 0.2544, 0.3169 looks on a white background.

Color Contrast Check

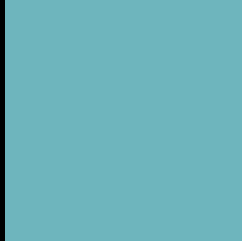
Large Text (above 18pt) WCAG AA × Fail

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 40.0369, 0.2544, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

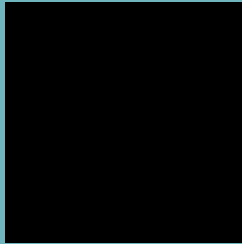
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0369, 0.2544, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 40.0369, 0.2544, 0.3169.

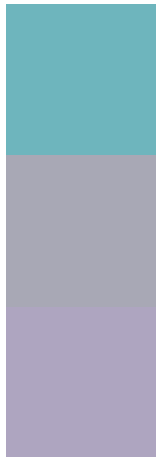


This preview shows how white text looks on a background with the Yxy color 40.0369, 0.2544, 0.3169.

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

40.0369, 0.2544, 0.3169

Protanopia

39.6663, 0.3019, 0.3111

Deuteranopia

39.7147, 0.2982, 0.2930



Tritanopia

40.0274, 0.2517, 0.3067

Trichromacy



Original Color

40.0369, 0.2544, 0.3169

Protanomaly

39.5509, 0.2821, 0.3132

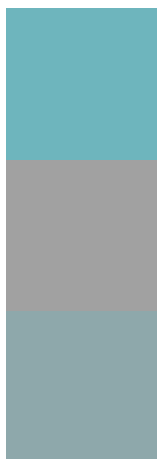
Deuteranomaly

39.4667, 0.2800, 0.3009

Tritanomaly

39.8723, 0.2523, 0.3095

Monochromacy



Original Color

40.0369, 0.2544, 0.3169

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.6963, 0.2874, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0369, 0.2544, 0.3169 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(110, 181, 189)` looks like.

```
.text, #text, p{  
    color:rgb(110, 181, 189)  
}
```

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(110, 181, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 181, 189) }
```

Border

The CSS property to change the border of an element to Yxy 40.0369, 0.2544, 0.3169 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(110, 181, 189) }
```

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

```
.border{ border-color:rgb(110, 181, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 181, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 181, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 181, 189);  
box-shadow:4px 4px 4px 4px rgb(110, 181,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0369, 0.2544, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 181, 189) }
```

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

```
.background{ background-color: rgb(110,  
181, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor