

Converting Colors

$Y_{xy}(50.5133, 0.2745, 0.3971)$

Have a look what the booklet for
Yxy(50.5133, 0.2745, 0.3971)
contains.

Yxy(50.3247, 0.2747, 0.3971)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.3247, 0.2747, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	6BCFA1
RGB	107, 207, 161
RGB Percent	42%, 81%, 63%
CMY	0.5802, 0.1882, 0.3687
CMYK	0.48, 0.00, 0.22, 0.19
HSL	152°, 51%, 62%
HSV	152°, 48%, 81%
XYZ	34.8129, 50.3247, 41.5930
YIQ	171.8560, -44.8340, -35.5060

Conversions

Conversions Part 2

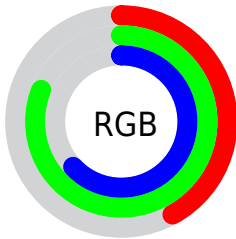
Format	Color
RYB	107, 172, 207
Decimal	7065505
CIELab	76.27, -39.96, 13.97
CIELCh	76, 42.335, 160.737
Yxy	50.3247, 0.2747, 0.3971
Android (android.graphics.Color)	4285255585 (0xFF6BCFA1)
YUV	171.8560, -5.3520, -56.8787
Hunter-Lab	70.9399, -36.5482, 14.8955

Details

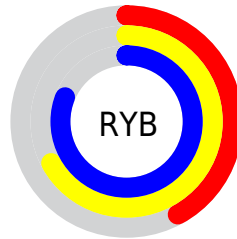
The Yxy color **50.3247, 0.2747, 0.3971** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.0927, 0.3824, 0.2715**, and the grayscale version is **41.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3704, 0.2811, 0.3737**, and **24.1890, 0.2634, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **48.8695, 0.2698, 0.4145**, and if you desaturate by 10%, it is **52.1167, 0.2811, 0.3806**.

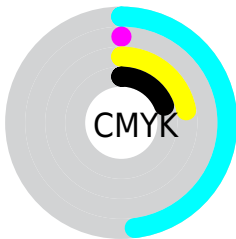
Distribution



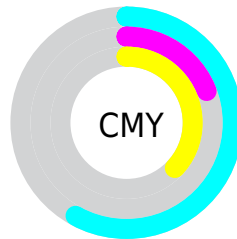
- Red (42%)
- Green (81%)
- Blue (63%)



- Red (42%)
- Yellow (67%)
- Blue (81%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (19%)



- Cyan (58%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3247, 0.2747, 0.3971 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 50.3247, 0.2747, 0.3971 by changing the saturation by 10% instead.


 50.3247, 0.2747,
0.3971

 50.3247, 0.2747,
0.3971

387.9344, 0.2942,
0.3620

 35.6715, 0.2697,
0.4062


 90.6558, 0.2819,
0.3841


 24.1806, 0.2632,
0.4181


 117.1024, 0.2845,
0.3793

 15.4676, 0.2545,
0.4343


 148.2490, 0.2868,
0.3752

 9.1482, 0.2420,
0.4574

 184.4798, 0.2887,
0.3718

 4.8380, 0.2230,
0.4933

226.1794, 0.2903,
0.3688

 2.1525, 0.1901,
0.5557

273.7321, 0.2918,

 0.6939, 0.0000,

0.3662

1.0000

327.5223, 0.2930,
0.3640

0.0000, 0.0000,
0.0000

50.3247, 0.2747,
0.3971

50.3247, 0.2747,
0.3971

48.8695, 0.2698,
0.4145

52.1167, 0.2811,
0.3806

47.7221, 0.2665,
0.4324

54.2601, 0.2885,
0.3653

46.8588, 0.2652,
0.4505


56.7757, 0.2967,
0.3513


46.2493, 0.2659,
0.4683


59.6810, 0.3054,
0.3385


45.8480, 0.2685,
0.4854

62.9925, 0.3142,
0.3271

 45.7885, 0.2690,
0.4883

 66.7256, 0.3232,
0.3170

 70.8949, 0.3320,
0.3081

 72.0120, 0.3274,
0.2989

 72.5845, 0.3206,
0.2898

Harmonies

Analogous

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



50.3247, 0.3301, 0.4311



50.3247, 0.2747, 0.3971



50.3247, 0.2320, 0.3400

Triad

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



50.3247, 0.2747, 0.3971



50.3247, 0.2404, 0.2384



50.3247, 0.4263, 0.3554

Complementary

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



50.3247, 0.2747, 0.3971



26.0927, 0.3824, 0.2715

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.



50.3247, 0.3983, 0.3110



50.3247, 0.2747, 0.3971



50.3247, 0.2869, 0.2468

Square

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



50.3247, 0.2747, 0.3971



50.3247, 0.2142, 0.2508



50.3247, 0.3453, 0.2726



50.3247, 0.4198, 0.3982

Rectangle

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



50.3247, 0.2747, 0.3971



50.3247, 0.2154, 0.3022



50.3247, 0.3453, 0.2726



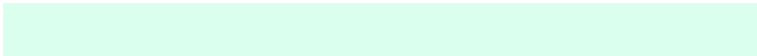
50.3247, 0.4207, 0.3403

Sweetspot

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



50.3267, 0.2747, 0.3971



92.8331, 0.3002, 0.3459



52.5274, 0.3389, 0.4656



19.6584, 0.2983, 0.3487



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.



50.3267, 0.2747, 0.3971



78.2366, 0.2696, 0.4152



50.6613, 0.2486, 0.3242



13.3115, 0.3044, 0.3399



28.8686, 0.2683, 0.4860



1.6301, 0.2596, 0.4545

Inverse Universe

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



26.0927, 0.3824, 0.2715



34.8984, 0.4059, 0.2610



25.5621, 0.4437, 0.3336



11.8975, 0.3219, 0.3183



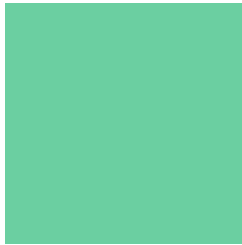
8.9002, 0.5112, 0.2590



0.5136, 0.4673, 0.2348

Previews

White Background



This preview shows how the Yxy color 50.3247, 0.2747, 0.3971 looks on a white background.

Color Contrast Check

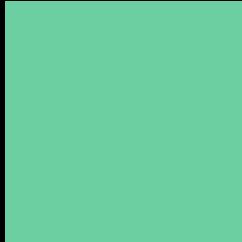
Large Text (above 18pt) WCAG AA × Fail

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 50.3247, 0.2747, 0.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

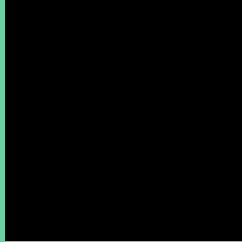
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3247, 0.2747, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 50.3247, 0.2747, 0.3971.



This preview shows how white text looks on a background with the Yxy color 50.3247, 0.2747, 0.3971.

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

50.3247, 0.2747, 0.3971

Protanopia

49.7808, 0.3511, 0.3747

Deuteranopia

49.4296, 0.3520, 0.3449



Tritanopia

50.4040, 0.2504, 0.3073

Trichromacy



Original Color

50.3247, 0.2747, 0.3971



Protanomaly

48.9495, 0.3182, 0.3825



Deuteranomaly

48.5422, 0.3185, 0.3625



Tritanomaly

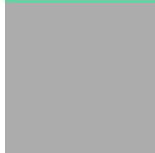
50.4793, 0.2593, 0.3386

Monochromacy



Original Color

50.3247, 0.2747, 0.3971



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.8210, 0.2953, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3247, 0.2747, 0.3971 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(107, 207, 161)` looks like.

```
.text, #text, p{  
    color:rgb(107, 207, 161)  
}
```

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(107, 207, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 207, 161) }
```

Border

The CSS property to change the border of an element to Yxy 50.3247, 0.2747, 0.3971 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(107, 207, 161) }
```

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

```
.border{ border-color:rgb(107, 207, 161) }
```

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

Here you see how a box with a 4 pixel rgb(107, 207, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 207, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 207, 161);  
box-shadow:4px 4px 4px 4px rgb(107, 207,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3247, 0.2747, 0.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 207, 161) }
```

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

```
.background{ background-color: rgb(107,  
207, 161) }
```

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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