

Converting Colors

$Y_{xy}(44.4342, 0.2674, 0.3774)$

Have a look what the booklet for
Yxy(44.4342, 0.2674, 0.3774)
contains.

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Color

Yxy(44.4199, 0.2669, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	64C3A4
RGB	100, 195, 164
RGB Percent	39%, 76%, 64%
CMY	0.6077, 0.2353, 0.3569
CMYK	0.49, 0.00, 0.16, 0.24
HSL	160°, 44%, 58%
HSV	160°, 49%, 76%
XYZ	31.4724, 44.4199, 42.0262
YIQ	163.0610, -46.6690, -29.7810

Conversions

Conversions Part 2

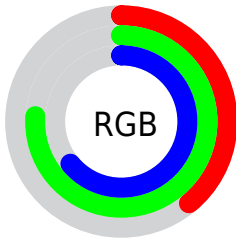
Format	Color
RYB	100, 157, 195
Decimal	6603684
CIELab	72.51, -35.59, 6.98
CIElCh	73, 36.266, 168.900
Yxy	44.4199, 0.2669, 0.3767
Android (android.graphics.Color)	4284793764 (0xFF64C3A4)
YUV	163.0610, 0.4629, -55.3045
Hunter-Lab	66.6483, -32.3437, 9.2675

Details

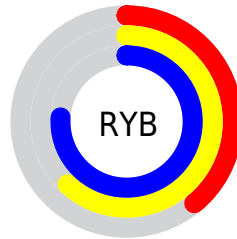
The Yxy color **44.4199, 0.2669, 0.3767** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **22.3636, 0.4011, 0.2878**, and the grayscale version is **36.6744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8032, 0.2753, 0.3673**, and **20.6910, 0.2537, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **43.2148, 0.2608, 0.3886**, and if you desaturate by 10%, it is **45.9062, 0.2745, 0.3654**.

Distribution



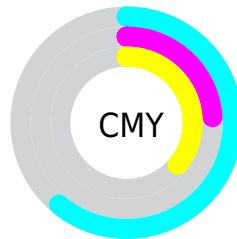
- Red (39%)
- Green (76%)
- Blue (64%)



- Red (39%)
- Yellow (62%)
- Blue (76%)



- Cyan (49%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)





- Cyan (61%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4199, 0.2669, 0.3767 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 44.4199, 0.2669, 0.3767 by changing the saturation by 10% instead.


 44.4199, 0.2669,
0.3767

 44.4199, 0.2669,
0.3767


364.4190, 0.2902,
0.3520

 31.0008, 0.2609,
0.3832


 81.8492, 0.2755,
0.3675

 20.5994, 0.2532,
0.3916


 106.6282, 0.2787,
0.3641

 12.8315, 0.2428,
0.4032


 135.9625, 0.2814,
0.3613

 7.3126, 0.2281,
0.4199

 170.2367, 0.2837,
0.3589

 3.6584, 0.2056,
0.4462

209.8350, 0.2856,
0.3568

 1.4844, 0.1515,
0.5028

255.1419, 0.2874,

 0.2777, 0.0000,

0.3550

1.0000

306.5418, 0.2889,
0.3534

0.0000, 0.0000,
0.0000

44.4199, 0.2669,
0.3767

44.4199, 0.2669,
0.3767

43.2148, 0.2608,
0.3886

45.9062, 0.2745,
0.3654

42.2661, 0.2566,
0.4009

47.6859, 0.2833,
0.3548

41.5536, 0.2542,
0.4134

49.7769, 0.2930,
0.3450

41.0512, 0.2539,
0.4259

52.1941, 0.3034,
0.3361


40.7166, 0.2553,
0.4382

54.9513, 0.3141,
0.3280

 40.6776, 0.2555,
0.4398

 58.0617, 0.3250,
0.3208

 61.5377, 0.3359,
0.3144

 65.1940, 0.3457,
0.3087

 65.5278, 0.3407,
0.3023

Harmonies

Analogous

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



44.4199, 0.3150, 0.4142



44.4199, 0.2669, 0.3767



44.4199, 0.2329, 0.3250

Triad

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



44.4199, 0.2669, 0.3767



44.4199, 0.2576, 0.2474



44.4199, 0.4157, 0.3646

Complementary

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



44.4199, 0.2669, 0.3767



22.3636, 0.4011, 0.2878

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.



44.4199, 0.3987, 0.3239



44.4199, 0.2669, 0.3767



44.4199, 0.3036, 0.2596

Square

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



44.4199, 0.2669, 0.3767



44.4199, 0.2282, 0.2537



44.4199, 0.3562, 0.2868



44.4199, 0.4023, 0.4009

Rectangle

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



44.4199, 0.2669, 0.3767



44.4199, 0.2215, 0.2935



44.4199, 0.3562, 0.2868



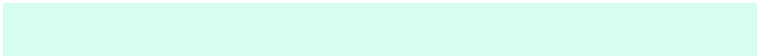
44.4199, 0.4134, 0.3511

Sweetspot

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



44.4217, 0.2669, 0.3767



90.5837, 0.2966, 0.3418



44.8322, 0.3287, 0.4710



19.6404, 0.2944, 0.3438



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.



44.4217, 0.2669, 0.3767



77.3591, 0.2607, 0.3888



38.9613, 0.2448, 0.3050



11.3707, 0.3027, 0.3366



26.4539, 0.2550, 0.4381



1.1552, 0.2474, 0.4107

Inverse Universe

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



22.3636, 0.4011, 0.2878



33.4221, 0.4311, 0.2809



24.9822, 0.4355, 0.3505



10.1309, 0.3239, 0.3215



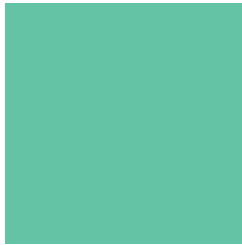
7.7930, 0.5639, 0.2880



0.3496, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 44.4199, 0.2669, 0.3767 looks on a white background.

Color Contrast Check

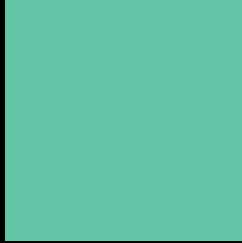
Large Text (above 18pt) WCAG AA × Fail

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 44.4199, 0.2669, 0.3767 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

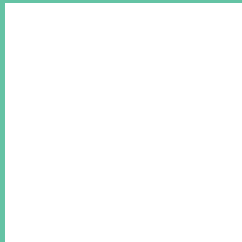
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4199, 0.2669, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 44.4199, 0.2669, 0.3767.



This preview shows how white text looks on a background with the Yxy color 44.4199, 0.2669, 0.3767.

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

44.4199, 0.2669, 0.3767

Protanopia

43.6980, 0.3394, 0.3585

Deuteranopia

43.8607, 0.3384, 0.3316



Tritanopia

44.2477, 0.2483, 0.3061

Trichromacy



Original Color

44.4199, 0.2669, 0.3767



Protanomaly

43.2056, 0.3077, 0.3649



Deuteranomaly

43.1139, 0.3076, 0.3472



Tritanomaly

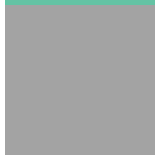
44.1675, 0.2551, 0.3303

Monochromacy



Original Color

44.4199, 0.2669, 0.3767



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.8797, 0.2923, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4199, 0.2669, 0.3767 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(100, 195, 164)` looks like.

```
.text, #text, p{  
    color:rgb(100, 195, 164)  
}
```

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(100, 195, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 195, 164) }
```

Border

The CSS property to change the border of an element to Yxy 44.4199, 0.2669, 0.3767 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(100, 195, 164) }
```

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

```
.border{ border-color:rgb(100, 195, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 195, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 195, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 195, 164);  
box-shadow:4px 4px 4px 4px rgb(100, 195,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4199, 0.2669, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 195, 164) }
```

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

```
.background{ background-color: rgb(100,  
195, 164) }
```

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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