

Converting Colors

$Yxy(45.6632, 0.2731, 0.3978)$

Have a look what the booklet for
Yxy(45.6632, 0.2731, 0.3978)
contains.

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Color

Yxy(45.8326, 0.2731, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	63C79A
RGB	99, 199, 154
RGB Percent	39%, 78%, 60%
CMY	0.6116, 0.2196, 0.3962
CMYK	0.50, 0.00, 0.23, 0.22
HSL	153°, 47%, 58%
HSV	153°, 50%, 78%
XYZ	31.4021, 45.8326, 37.7492
YIQ	163.9700, -45.1550, -35.1950

Conversions

Conversions Part 2

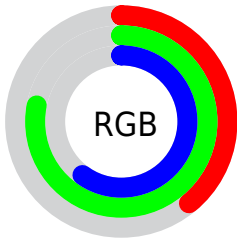
Format	Color
RYB	99, 164, 199
Decimal	6539162
CIELab	73.44, -39.85, 13.70
CIELCh	73, 42.137, 161.026
Yxy	45.8326, 0.2731, 0.3986
Android (android.graphics.Color)	4284729242 (0xFF63C79A)
YUV	163.9700, -4.9152, -56.9787
Hunter-Lab	67.6998, -35.6785, 14.3299

Details

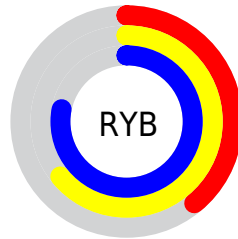
The Yxy color **45.8326, 0.2731, 0.3986** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.0881, 0.3877, 0.2708**, and the grayscale version is **37.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1420, 0.2811, 0.3840**, and **21.3379, 0.2602, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **44.5603, 0.2684, 0.4157**, and if you desaturate by 10%, it is **47.4071, 0.2793, 0.3824**.

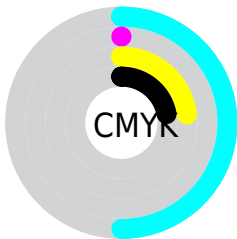
Distribution



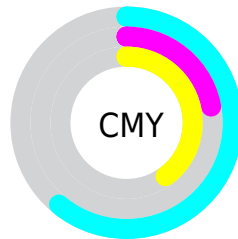
- Red (39%)
- Green (78%)
- Blue (60%)



- Red (39%)
- Yellow (64%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8326, 0.2731, 0.3986 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 45.8326, 0.2731, 0.3986 by changing the saturation by 10% instead.


 45.8326, 0.2731,
0.3986

 45.8326, 0.2731,
0.3986


370.1352, 0.2937,
0.3621


 32.1137, 0.2677,
0.4083


 83.9684, 0.2808,
0.3849

 21.4484, 0.2607,
0.4210


 109.1542, 0.2836,
0.3799

 13.4522, 0.2510,
0.4385


 138.9310, 0.2859,
0.3757

 7.7406, 0.2371,
0.4642

 173.6833, 0.2880,
0.3722

 3.9294, 0.2153,
0.5048

213.7955, 0.2897,
0.3691

 1.6342, 0.1612,
0.5970

259.6519, 0.2912,

 0.3805, 0.0000,

0.3665

1.0000

311.6371, 0.2925,
0.3642

0.0000, 0.0000,
0.0000

45.8326, 0.2731,
0.3986

45.8326, 0.2731,
0.3986

44.5603, 0.2684,
0.4157

47.4071, 0.2793,
0.3824

43.5635, 0.2654,
0.4332

49.2972, 0.2866,
0.3672

42.8200, 0.2644,
0.4509

51.5222, 0.2948,
0.3533

42.3013, 0.2654,
0.4682

54.0982, 0.3035,
0.3406

41.9597, 0.2679,
0.4845

57.0402, 0.3125,
0.3293

■ 60.3625, 0.3216,
0.3191

■ 64.0782, 0.3305,
0.3102

■ 67.5815, 0.3368,
0.3021

■ 68.0857, 0.3300,
0.2933

Harmonies

Analogous

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



45.8326, 0.3298, 0.4339



45.8326, 0.2731, 0.3986



45.8326, 0.2296, 0.3396

Triad

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



45.8326, 0.2731, 0.3986



45.8326, 0.2390, 0.2363



45.8326, 0.4294, 0.3562

Complementary

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



45.8326, 0.2731, 0.3986



23.0881, 0.3877, 0.2708

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.



45.8326, 0.4011, 0.3108



45.8326, 0.2731, 0.3986



45.8326, 0.2867, 0.2451

Square

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



45.8326, 0.2731, 0.3986



45.8326, 0.2120, 0.2486



45.8326, 0.3467, 0.2716



45.8326, 0.4223, 0.4001

Rectangle

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



45.8326, 0.2731, 0.3986



45.8326, 0.2129, 0.3008



45.8326, 0.3467, 0.2716



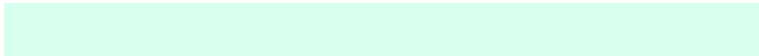
45.8326, 0.4238, 0.3408

Sweetspot

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



45.8345, 0.2731, 0.3986



92.3929, 0.2991, 0.3468



47.8315, 0.3395, 0.4711



19.5725, 0.2973, 0.3495



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.



45.8345, 0.2731, 0.3986



77.8933, 0.2681, 0.4168



46.1092, 0.2468, 0.3240



11.9838, 0.3043, 0.3396



26.9983, 0.2673, 0.4822



1.2928, 0.2575, 0.4470

Inverse Universe

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



23.0881, 0.3877, 0.2708



33.7000, 0.4128, 0.2608



22.6187, 0.4514, 0.3337



10.7150, 0.3220, 0.3186



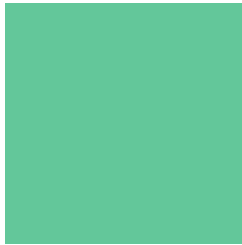
8.2956, 0.5147, 0.2609



0.4073, 0.4641, 0.2330

Previews

White Background



This preview shows how the Yxy color 45.8326, 0.2731, 0.3986 looks on a white background.

Color Contrast Check

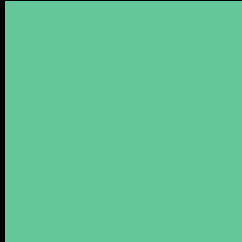
Large Text (above 18pt) WCAG AA × Fail

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 45.8326, 0.2731, 0.3986 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 45.8326, 0.2731, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 45.8326, 0.2731, 0.3986.

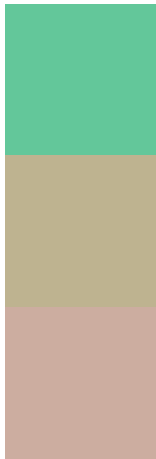


This preview shows how white text looks on a background with the Yxy color 45.8326, 0.2731, 0.3986.

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

45.8326, 0.2731, 0.3986

Protanopia

45.2010, 0.3519, 0.3752

Deuteranopia

45.2626, 0.3526, 0.3455



Tritanopia

45.7817, 0.2491, 0.3078

Trichromacy



Original Color

45.8326, 0.2731, 0.3986



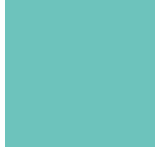
Protanomaly

44.4240, 0.3176, 0.3833



Deuteranomaly

44.0315, 0.3180, 0.3625



Tritanomaly

45.9123, 0.2577, 0.3391

Monochromacy



Original Color

45.8326, 0.2731, 0.3986



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.5578, 0.2946, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8326, 0.2731, 0.3986 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, 199, 154)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 154)  
}
```

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, 199, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 154) }
```

Border

The CSS property to change the border of an element to Yxy 45.8326, 0.2731, 0.3986 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, 199, 154) }
```

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

```
.border{ border-color:rgb(99, 199, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 154);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8326, 0.2731, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 154) }
```

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

```
.background{ background-color: rgb(99, 199,  
154) }
```

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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