

Converting Colors

$Yxy(46.0490, 0.2784, 0.3971)$

Have a look what the booklet for
Yxy(46.0490, 0.2784, 0.3971)
contains.

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Color

Yxy(45.9094, 0.2780, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	6CC69A
RGB	108, 198, 154
RGB Percent	42%, 78%, 60%
CMY	0.5767, 0.2235, 0.3961
CMYK	0.45, 0.00, 0.22, 0.22
HSL	151°, 44%, 60%
HSV	151°, 45%, 78%
XYZ	32.2049, 45.9094, 37.7307
YIQ	166.0740, -39.5160, -32.7640

Conversions

Conversions Part 2

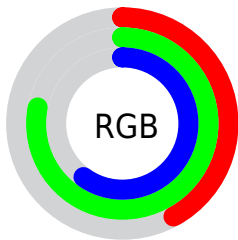
Format	Color
RYB	108, 168, 198
Decimal	7128730
CIELab	73.49, -37.14, 13.81
CIELCh	73, 39.626, 159.605
Yxy	45.9094, 0.2780, 0.3963
Android (android.graphics.Color)	4285318810 (0xFF6CC69A)
YUV	166.0740, -5.9525, -50.9309
Hunter-Lab	67.7565, -33.7321, 14.4134

Details

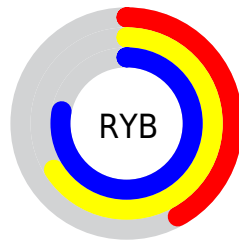
The Yxy color **45.9094, 0.2780, 0.3963** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.9862, 0.3730, 0.2716**, and the grayscale version is **38.2084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9666, 0.2852, 0.3834**, and **21.6559, 0.2673, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **44.4988, 0.2729, 0.4145**, and if you desaturate by 10%, it is **47.6317, 0.2844, 0.3791**.

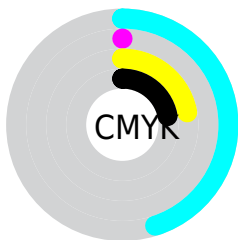
Distribution



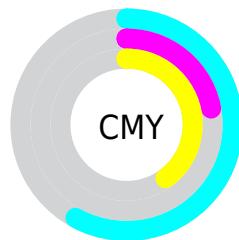
- Red (42%)
- Green (78%)
- Blue (60%)



- Red (42%)
- Yellow (66%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9094, 0.2780, 0.3963 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 45.9094, 0.2780, 0.3963 by changing the saturation by 10% instead.

 45.9094, 0.2780,
0.3963


 45.9094, 0.2780,
0.3963


370.4443, 0.2961,
0.3611


 32.1743, 0.2732,
0.4056


 84.0834, 0.2848,
0.3831


 21.4947, 0.2670,
0.4179


 109.2911, 0.2872,
0.3783

 13.4861, 0.2584,
0.4348


 139.0918, 0.2893,
0.3742

 7.7641, 0.2460,
0.4595

 173.8699, 0.2911,
0.3708

 3.9444, 0.2264,
0.4986

214.0098, 0.2926,
0.3679

 1.6425, 0.1820,
0.5835

259.8959, 0.2939,

 0.3860, 0.0000,

0.3653

1.0000

311.9126, 0.2951,
0.3631

■ 0.0000, 0.0000,
0.0000

■ 45.9094, 0.2780,
0.3963

■ 45.9094, 0.2780,
0.3963

■ 44.4988, 0.2729,
0.4145

■ 47.6317, 0.2844,
0.3791

■ 43.3742, 0.2693,
0.4335

■ 49.6780, 0.2917,
0.3632

■ 42.5151, 0.2677,
0.4527


■ 52.0671, 0.2997,
0.3487


■ 41.8956, 0.2680,
0.4716


■ 54.8143, 0.3081,
0.3356

■ 41.4840, 0.2702,
0.4898


■ 57.9342, 0.3166,
0.3239

 41.3382, 0.2716,
0.4977

 61.4406, 0.3250,
0.3135

 65.3464, 0.3333,
0.3044

 67.4470, 0.3326,
0.2954

 68.0104, 0.3253,
0.2861

Harmonies

Analogous

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



45.9094, 0.3318, 0.4278



45.9094, 0.2780, 0.3963



45.9094, 0.2359, 0.3419

Triad

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



45.9094, 0.2780, 0.3963



45.9094, 0.2414, 0.2414



45.9094, 0.4219, 0.3532

Complementary

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



45.9094, 0.2780, 0.3963



24.9862, 0.3730, 0.2716

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.



45.9094, 0.3937, 0.3101



45.9094, 0.2780, 0.3963



45.9094, 0.2859, 0.2487

Square

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



45.9094, 0.2780, 0.3963



45.9094, 0.2167, 0.2543



45.9094, 0.3421, 0.2732



45.9094, 0.4170, 0.3948

Rectangle

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



45.9094, 0.2780, 0.3963



45.9094, 0.2191, 0.3053



45.9094, 0.3421, 0.2732



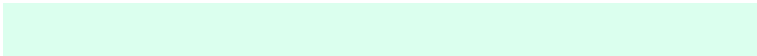
45.9094, 0.4160, 0.3386

Sweetspot

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



45.9113, 0.2780, 0.3963



92.7734, 0.3008, 0.3469



48.2456, 0.3404, 0.4557



19.6438, 0.2990, 0.3499



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.



45.9113, 0.2780, 0.3963



78.7123, 0.2727, 0.4152



47.6563, 0.2523, 0.3288



11.9769, 0.3048, 0.3405



26.8967, 0.2709, 0.4954



1.2882, 0.2605, 0.4577

Inverse Universe

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



24.9862, 0.3730, 0.2716



36.8959, 0.3939, 0.2599



23.8018, 0.4338, 0.3294



10.7219, 0.3214, 0.3178



8.3834, 0.4987, 0.2521



0.4116, 0.4519, 0.2263

Previews

White Background



This preview shows how the Yxy color 45.9094, 0.2780, 0.3963 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 45.9094, 0.2780, 0.3963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

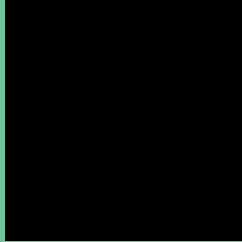
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9094, 0.2780, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 45.9094, 0.2780, 0.3963.

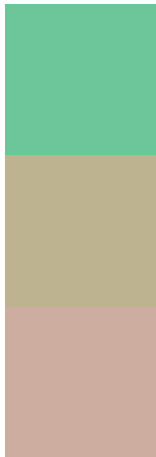


This preview shows how white text looks on a background with the Yxy color 45.9094, 0.2780, 0.3963.

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

45.9094, 0.2780, 0.3963

Protanopia

45.2317, 0.3510, 0.3739

Deuteranopia

45.2277, 0.3535, 0.3468



Tritanopia

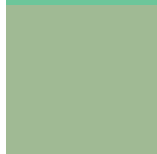
45.7828, 0.2533, 0.3079

Trichromacy



Original Color

45.9094, 0.2780, 0.3963



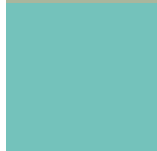
Protanomaly

44.7295, 0.3202, 0.3829



Deuteranomaly

44.3252, 0.3214, 0.3636



Tritanomaly

45.8844, 0.2620, 0.3390

Monochromacy



Original Color

45.9094, 0.2780, 0.3963



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.4692, 0.2972, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9094, 0.2780, 0.3963 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(108, 198, 154)` looks like.

```
.text, #text, p{  
    color:rgb(108, 198, 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(108, 198, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 198, 154) }
```

Border

The CSS property to change the border of an element to Yxy 45.9094, 0.2780, 0.3963 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(108, 198, 154) }
```

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

```
.border{ border-color:rgb(108, 198, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 198, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 198, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 198, 154);  
box-shadow:4px 4px 4px 4px rgb(108, 198,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9094, 0.2780, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 198, 154) }
```

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

```
.background{ background-color: rgb(108,  
198, 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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