

Converting Colors

$Yxy(45.0575, 0.2743, 0.4266)$

Have a look what the booklet for
Yxy(45.0575, 0.2743, 0.4266)
contains.

Yxy(45.0575, 0.2743, 0.4266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0575, 0.2743, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	54C88B
RGB	84, 200, 139
RGB Percent	33%, 78%, 55%
CMY	0.6705, 0.2157, 0.4549
CMYK	0.58, 0.00, 0.31, 0.22
HSL	148°, 51%, 56%
HSV	148°, 58%, 78%
XYZ	28.9716, 45.0575, 31.5909
YIQ	158.3620, -49.5550, -43.5630

Conversions

Conversions Part 2

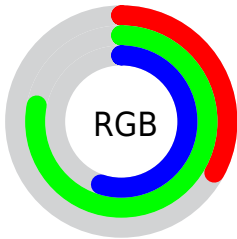
Format	Color
RYB	84, 163, 200
Decimal	5556363
CIELab	72.93, -46.82, 20.92
CIElCh	73, 51.284, 155.920
Yxy	45.0575, 0.2743, 0.4266
Android (android.graphics.Color)	4283746443 (0xFF54C88B)
YUV	158.3620, -9.5455, -65.2155
Hunter-Lab	67.1249, -40.4267, 19.0838

Details

The Yxy color **45.0575, 0.2743, 0.4266** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.6702, 0.3921, 0.2524**, and the grayscale version is **34.4296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2099, 0.2821, 0.4039**, and **20.9721, 0.2606, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **43.9712, 0.2715, 0.4472**, and if you desaturate by 10%, it is **46.4405, 0.2787, 0.4066**.

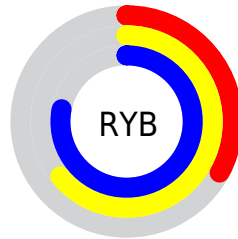
Distribution



Red (33%)

Green (78%)

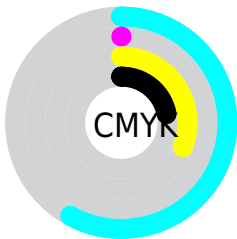
Blue (55%)



Red (33%)

Yellow (64%)

Blue (78%)

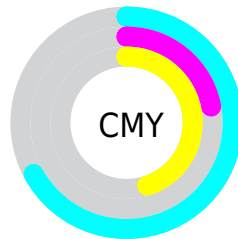


Cyan (58%)

Magenta (0%)

Yellow (31%)

Black (22%)



Cyan (67%)


Magenta (22%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0575, 0.2743, 0.4266 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 45.0575, 0.2743, 0.4266 by changing the saturation by 10% instead.


 45.0575, 0.2743,
0.4266


 45.0575, 0.2743,
0.4266


367.0064, 0.2950,
0.3746

 31.5027, 0.2686,
0.4406


 82.8067, 0.2822,
0.4069


 20.9820, 0.2610,
0.4593


 107.7699, 0.2851,
0.3998

 13.1108, 0.2503,
0.4852


 137.3047, 0.2874,
0.3938

 7.5049, 0.2343,
0.5234

 171.7955, 0.2894,
0.3888

 3.7798, 0.2082,
0.5844

211.6266, 0.2912,
0.3845

 1.5512, 0.1167,
0.8320

257.1826, 0.2926,

 0.3243, 0.0000,

0.3807

1.0000

308.8477, 0.2939,
0.3775

0.0000, 0.0000,
0.0000

45.0575, 0.2743,
0.4266

45.0575, 0.2743,
0.4266

43.9712, 0.2715,
0.4472

46.4405, 0.2787,
0.4066

43.1522, 0.2706,
0.4678

48.1359, 0.2845,
0.3877

42.5744, 0.2716,
0.4878

50.1647, 0.2912,
0.3701

42.1967, 0.2745,
0.5067

52.5444, 0.2986,
0.3540

42.1317, 0.2751,
0.5104

55.2914, 0.3064,
0.3395

■ 58.4210, 0.3143,
0.3265

■ 61.9474, 0.3222,
0.3150

■ 65.8845, 0.3300,
0.3049

■ 68.4920, 0.3306,
0.2953

Harmonies

Analogous

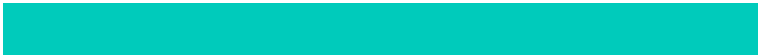
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0575, 0.3434, 0.4617



45.0575, 0.2743, 0.4266



45.0575, 0.2192, 0.3540

Triad

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



45.0575, 0.2743, 0.4266



45.0575, 0.2168, 0.2189



45.0575, 0.4526, 0.3497

Complementary

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



45.0575, 0.2743, 0.4266



20.6702, 0.3921, 0.2524

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.



45.0575, 0.4112, 0.2974



45.0575, 0.2743, 0.4266



45.0575, 0.2693, 0.2259

Square

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



45.0575, 0.2743, 0.4266



45.0575, 0.1901, 0.2367



45.0575, 0.3408, 0.2537



45.0575, 0.4496, 0.4033

Rectangle

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



45.0575, 0.2743, 0.4266



45.0575, 0.1969, 0.3043



45.0575, 0.3408, 0.2537



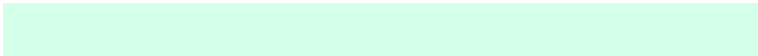
45.0575, 0.4434, 0.3318

Sweetspot

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



45.0593, 0.2743, 0.4266



91.3023, 0.2992, 0.3529



48.0501, 0.3478, 0.4903



19.3498, 0.2976, 0.3560



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.



45.0593, 0.2743, 0.4266



75.6535, 0.2710, 0.4534



47.1873, 0.2431, 0.3345



11.9702, 0.3053, 0.3414



26.8061, 0.2744, 0.5078



1.2839, 0.2634, 0.4681

Inverse Universe

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



20.6702, 0.3921, 0.2524



29.4158, 0.4200, 0.2415



19.3275, 0.4832, 0.3248



10.7286, 0.3209, 0.3169



8.4773, 0.4830, 0.2435



0.4160, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 45.0575, 0.2743, 0.4266 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 45.0575, 0.2743, 0.4266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

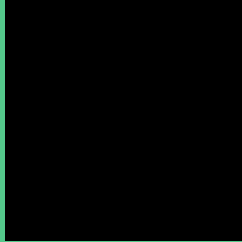
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0575, 0.2743, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 45.0575, 0.2743, 0.4266.

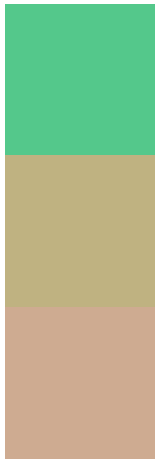


This preview shows how white text looks on a background with the Yxy color 45.0575, 0.2743, 0.4266.

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

45.0575, 0.2743, 0.4266

Protanopia

44.5021, 0.3659, 0.3937

Deuteranopia

44.2920, 0.3688, 0.3619



Tritanopia

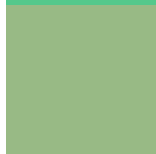
44.7699, 0.2442, 0.3061

Trichromacy



Original Color

45.0575, 0.2743, 0.4266



Protanomaly

43.4867, 0.3247, 0.4065



Deuteranomaly

43.1204, 0.3264, 0.3847



Tritanomaly

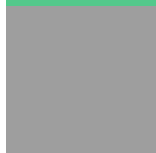
44.5024, 0.2546, 0.3469

Monochromacy



Original Color

45.0575, 0.2743, 0.4266



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.9468, 0.2940, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0575, 0.2743, 0.4266 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(84, 200, 139)` looks like.

```
.text, #text, p{  
    color:rgb(84, 200, 139)  
}
```

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(84, 200, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 200, 139) }
```

Border

The CSS property to change the border of an element to Yxy 45.0575, 0.2743, 0.4266 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(84, 200, 139) }
```

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

```
.border{ border-color:rgb(84, 200, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 200, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 200, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 200, 139);  
box-shadow:4px 4px 4px 4px rgb(84, 200,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0575, 0.2743, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 200, 139) }
```

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

```
.background{ background-color: rgb(84, 200,  
139) }
```

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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