

Converting Colors

$Yxy(43.8716, 0.2804, 0.4022)$

Have a look what the booklet for
Yxy(43.8716, 0.2804, 0.4022)
contains.

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Color

Yxy(43.7543, 0.2806, 0.4025)

Conversions

Conversions Part 1

Format	Color
Hex	6AC293
RGB	106, 194, 147
RGB Percent	42%, 76%, 58%
CMY	0.5843, 0.2392, 0.4235
CMYK	0.45, 0.00, 0.24, 0.24
HSL	148°, 42%, 59%
HSV	148°, 45%, 76%
XYZ	30.5030, 43.7543, 34.4490
YIQ	162.3300, -37.3610, -33.2730

Conversions

Conversions Part 2

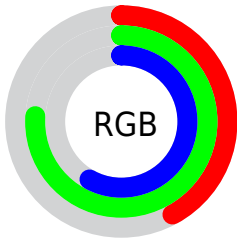
Format	Color
RYB	106, 166, 194
Decimal	6996627
CIELab	72.06, -37.26, 15.55
CIElCh	72, 40.377, 157.344
Yxy	43.7543, 0.2806, 0.4025
Android (android.graphics.Color)	4285186707 (0xFF6AC293)
YUV	162.3300, -7.5577, -49.4014
Hunter-Lab	66.1470, -33.4439, 15.4250

Details

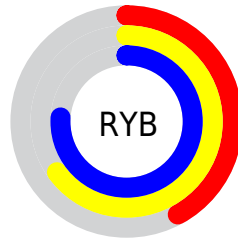
The Yxy color **43.7543, 0.2806, 0.4025** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.0769, 0.3673, 0.2668**, and the grayscale version is **36.3446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7885, 0.2869, 0.3880**, and **20.2788, 0.2702, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **42.3882, 0.2759, 0.4225**, and if you desaturate by 10%, it is **45.4221, 0.2866, 0.3836**.

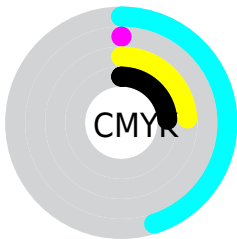
Distribution



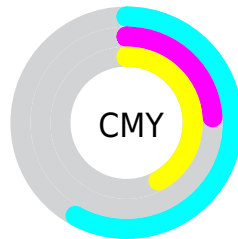
- Red (42%)
- Green (76%)
- Blue (58%)



- Red (42%)
- Yellow (65%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (24%)
- Black (24%)



- Cyan (58%)
- Magenta (24%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7543, 0.2806, 0.4025 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 43.7543, 0.2806, 0.4025 by changing the saturation by 10% instead.

 43.7543, 0.2806,
0.4025

 43.7543, 0.2806,
0.4025


361.7047, 0.2977,
0.3636


 30.4774, 0.2760,
0.4129


 80.8479, 0.2870,
0.3878

 20.2012, 0.2699,
0.4268


 105.4334, 0.2894,
0.3825

 12.5414, 0.2614,
0.4460


 134.5572, 0.2913,
0.3780

 7.1135, 0.2487,
0.4744

 168.6037, 0.2930,
0.3743

 3.5332, 0.2283,
0.5202

207.9573, 0.2944,
0.3710

 1.4160, 0.1679,
0.6609

253.0024, 0.2956,

 0.2285, 0.0000,

0.3682

1.0000

304.1234, 0.2967,
0.3658

0.0000, 0.0000,
0.0000

43.7543, 0.2806,
0.4025

43.7543, 0.2806,
0.4025

42.3882, 0.2759,
0.4225

45.4221, 0.2866,
0.3836

41.2993, 0.2727,
0.4432

47.4036, 0.2934,
0.3662

40.4680, 0.2713,
0.4641


49.7166, 0.3008,
0.3503


39.8694, 0.2718,
0.4846


52.3760, 0.3085,
0.3360


39.4733, 0.2743,
0.5040


55.3959, 0.3163,
0.3233

 39.3303, 0.2757,
0.5126

 58.7893, 0.3241,
0.3120

 62.5688, 0.3317,
0.3021

 65.5511, 0.3342,
0.2929

 66.1500, 0.3263,
0.2829

Harmonies

Analogous

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



43.7543, 0.3365, 0.4325



43.7543, 0.2806, 0.4025



43.7543, 0.2359, 0.3467

Triad

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



43.7543, 0.2806, 0.4025



43.7543, 0.2364, 0.2388



43.7543, 0.4247, 0.3503

Complementary

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



43.7543, 0.2806, 0.4025



24.0769, 0.3673, 0.2668

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.



43.7543, 0.3932, 0.3062



43.7543, 0.2806, 0.4025



43.7543, 0.2809, 0.2450

Square

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



43.7543, 0.2806, 0.4025



43.7543, 0.2127, 0.2537



43.7543, 0.3386, 0.2690



43.7543, 0.4221, 0.3937

Rectangle

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



43.7543, 0.2806, 0.4025



43.7543, 0.2175, 0.3082



43.7543, 0.3386, 0.2690



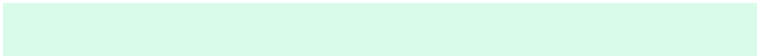
43.7543, 0.4178, 0.3353

Sweetspot

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



43.7561, 0.2806, 0.4025



90.5884, 0.3017, 0.3486



46.5348, 0.3441, 0.4536



19.6210, 0.3000, 0.3519



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.



43.7561, 0.2806, 0.4025



76.9074, 0.2761, 0.4215



45.3492, 0.2550, 0.3353



11.3352, 0.3054, 0.3416



25.8740, 0.2750, 0.5101



1.1319, 0.2631, 0.4671

Inverse Universe

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



24.0769, 0.3673, 0.2668



36.9697, 0.3844, 0.2550



22.9121, 0.4268, 0.3234



10.1658, 0.3207, 0.3168



8.2089, 0.4795, 0.2415



0.3685, 0.4349, 0.2169

Previews

White Background



This preview shows how the Yxy color 43.7543, 0.2806, 0.4025 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 43.7543, 0.2806, 0.4025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

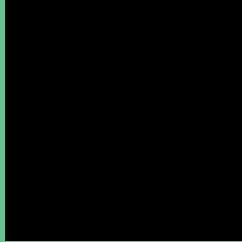
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7543, 0.2806, 0.4025

Background



This preview shows how black text looks on a background with the Yxy color 43.7543, 0.2806, 0.4025.

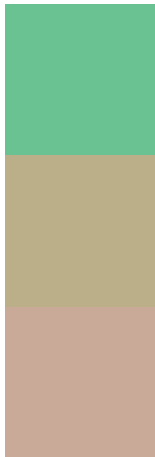


This preview shows how white text looks on a background with the Yxy color 43.7543, 0.2806, 0.4025.

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

43.7543, 0.2806, 0.4025

Protanopia

43.0597, 0.3554, 0.3787

Deuteranopia

43.0604, 0.3581, 0.3509



Tritanopia

43.7980, 0.2541, 0.3076

Trichromacy



Original Color

43.7543, 0.2806, 0.4025

Protanomaly

42.6481, 0.3244, 0.3883

Deuteranomaly

42.1498, 0.3249, 0.3687

Tritanomaly

43.8491, 0.2636, 0.3407

Monochromacy



Original Color

43.7543, 0.2806, 0.4025

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.4572, 0.2985, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7543, 0.2806, 0.4025 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(106, 194, 147)` looks like.

```
.text, #text, p{  
    color:rgb(106, 194, 147)  
}
```

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(106, 194, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 194, 147) }
```

Border

The CSS property to change the border of an element to Yxy 43.7543, 0.2806, 0.4025 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(106, 194, 147) }
```

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

```
.border{ border-color:rgb(106, 194, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 194, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 194, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 194, 147);  
box-shadow:4px 4px 4px 4px rgb(106, 194,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7543, 0.2806, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 194, 147) }
```

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

```
.background{ background-color: rgb(106,  
194, 147) }
```

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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