

Converting Colors

$Yxy(40.3045, 0.2856, 0.4336)$

Have a look what the booklet for
Yxy(40.3045, 0.2856, 0.4336)
contains.

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Color

Yxy(40.2287, 0.2853, 0.4334)

Conversions

Conversions Part 1

Format	Color
Hex	5DBD7E
RGB	93, 189, 126
RGB Percent	36%, 74%, 49%
CMY	0.6351, 0.2588, 0.5058
CMYK	0.51, 0.00, 0.33, 0.26
HSL	141°, 42%, 55%
HSV	141°, 51%, 74%
XYZ	26.4819, 40.2287, 26.1106
YIQ	153.1140, -36.9930, -39.9450

Conversions

Conversions Part 2

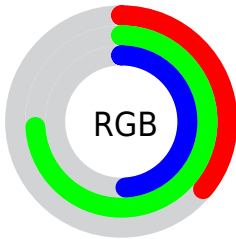
Format	Color
RYB	93, 164, 189
Decimal	6143358
CIELab	69.63, -42.54, 23.39
CIELCh	70, 48.541, 151.198
Yxy	40.2287, 0.2853, 0.4334
Android (android.graphics.Color)	4284333438 (0xFF5DBD7E)
YUV	153.1140, -13.3672, -52.7200
Hunter-Lab	63.4261, -36.4677, 19.9904

Details

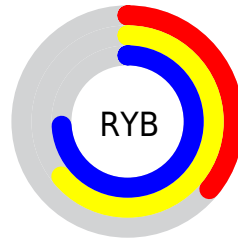
The Yxy color **40.2287, 0.2853, 0.4334** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.0578, 0.3599, 0.2452**, and the grayscale version is **31.9852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5558, 0.2916, 0.4118**, and **18.1568, 0.2743, 0.4715** is the 20% darker color. If you saturate the color by 10%, you get **39.0616, 0.2823, 0.4586**, and if you desaturate by 10%, it is **41.6825, 0.2895, 0.4092**.

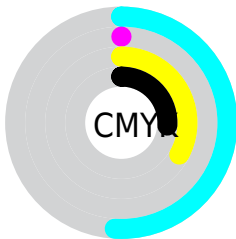
Distribution



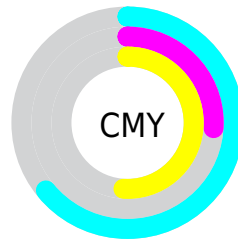
- Red (36%)
- Green (74%)
- Blue (49%)



- Red (36%)
- Yellow (64%)
- Blue (74%)



- Cyan (51%)
- Magenta (0%)
- Yellow (33%)
- Black (26%)



- Cyan (64%)
- Magenta (26%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2287, 0.2853, 0.4334 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 40.2287, 0.2853, 0.4334 by changing the saturation by 10% instead.


 40.2287, 0.2853,
0.4334


 40.2287, 0.2853,
0.4334


347.0866, 0.3010,
0.3767


 27.7169, 0.2806,
0.4491


 75.5116, 0.2915,
0.4117

 18.1124, 0.2741,
0.4702

 99.0516, 0.2937,
0.4039

 11.0307, 0.2646,
0.5000


 127.0364, 0.2955,
0.3974

 6.0875, 0.2493,
0.5448

 159.8504, 0.2970,
0.3919

 2.8983, 0.2229,
0.6205

197.8780, 0.2982,
0.3873

 1.0789, 0.0000,
1.0000

241.5036, 0.2993,

 0.0000, 0.0000,

0.3833

0.0000

291.1117, 0.3002,
0.3798

■ 40.2287, 0.2853,
0.4334

■ 40.2287, 0.2853,
0.4334

■ 39.0616, 0.2823,
0.4586

■ 41.6825, 0.2895,
0.4092

■ 38.1567, 0.2808,
0.4838

■ 43.4360, 0.2946,
0.3865

■ 37.4930, 0.2810,
0.5082

■ 45.5070, 0.3002,
0.3657

■ 37.0444, 0.2830,
0.5306

■ 47.9106, 0.3062,
0.3469

■ 36.7746, 0.2858,
0.5489

■ 50.6611, 0.3123,
0.3302

■ 53.7716, 0.3183,
0.3154

■ 57.2548, 0.3241,
0.3025

■ 61.1226, 0.3297,
0.2912

■ 63.8079, 0.3287,
0.2803

Harmonies

Analogous

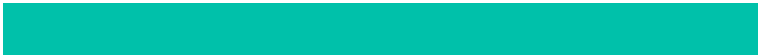
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2287, 0.3539, 0.4601



40.2287, 0.2853, 0.4334



40.2287, 0.2277, 0.3657

Triad

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



40.2287, 0.2853, 0.4334



40.2287, 0.2124, 0.2216



40.2287, 0.4466, 0.3412

Complementary

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



40.2287, 0.2853, 0.4334



21.0578, 0.3599, 0.2452

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.



40.2287, 0.3999, 0.2904



40.2287, 0.2853, 0.4334



40.2287, 0.2604, 0.2248

Square

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



40.2287, 0.2853, 0.4334



40.2287, 0.1901, 0.2434



40.2287, 0.3287, 0.2493



40.2287, 0.4507, 0.3944

Rectangle

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



40.2287, 0.2853, 0.4334



40.2287, 0.2027, 0.3157



40.2287, 0.3287, 0.2493



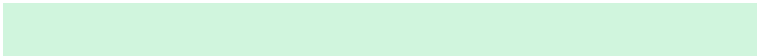
40.2287, 0.4352, 0.3237

Sweetspot

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



40.2304, 0.2853, 0.4334



83.8095, 0.3035, 0.3551



44.3547, 0.3566, 0.4641



17.8292, 0.3022, 0.3590



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2304, 0.2853, 0.4334



69.7414, 0.2820, 0.4616



41.7411, 0.2564, 0.3537



10.7023, 0.3070, 0.3444



24.7571, 0.2851, 0.5465



0.9823, 0.2709, 0.4954

Inverse Universe

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



21.0578, 0.3599, 0.2452



31.5190, 0.3751, 0.2300



19.7613, 0.4305, 0.3075



9.6391, 0.3189, 0.3140



8.2745, 0.4298, 0.2141



0.3360, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 40.2287, 0.2853, 0.4334 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 40.2287, 0.2853, 0.4334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

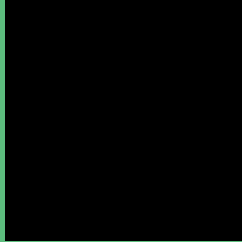
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2287, 0.2853, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 40.2287, 0.2853, 0.4334.

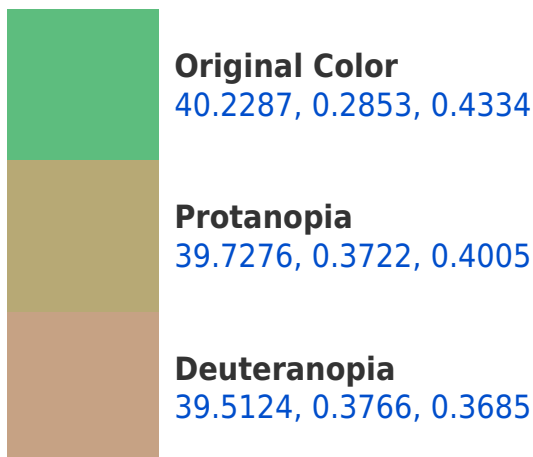


This preview shows how white text looks on a background with the Yxy color 40.2287, 0.2853, 0.4334.

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





Tritanopia

39.9622, 0.2512, 0.3067

Trichromacy



Original Color

40.2287, 0.2853, 0.4334



Protanomaly

38.8908, 0.3350, 0.4137



Deuteranomaly

38.5903, 0.3372, 0.3911



Tritanomaly

39.7123, 0.2629, 0.3492

Monochromacy



Original Color

40.2287, 0.2853, 0.4334



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.0809, 0.3002, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2287, 0.2853, 0.4334 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(93, 189, 126)` looks like.

```
.text, #text, p{  
    color:rgb(93, 189, 126)  
}
```

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(93, 189, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 189, 126) }
```

Border

The CSS property to change the border of an element to Yxy 40.2287, 0.2853, 0.4334 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(93, 189, 126) }
```

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

```
.border{ border-color:rgb(93, 189, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 189, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 189, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 189, 126);  
box-shadow:4px 4px 4px 4px rgb(93, 189,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2287, 0.2853, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 189, 126) }
```

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

```
.background{ background-color: rgb(93, 189,  
126) }
```

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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