

Converting Colors

$Y_{xy}(40.2841, 0.2858, 0.4331)$

Have a look what the booklet for
Yxy(40.2841, 0.2858, 0.4331)
contains.

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Color

Yxy(40.2812, 0.2859, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	5EBD7E
RGB	94, 189, 126
RGB Percent	37%, 74%, 49%
CMY	0.6314, 0.2588, 0.5060
CMYK	0.50, 0.00, 0.33, 0.26
HSL	140°, 42%, 55%
HSV	140°, 50%, 74%
XYZ	26.5783, 40.2812, 26.1042
YIQ	153.4130, -36.3970, -39.7330

Conversions

Conversions Part 2

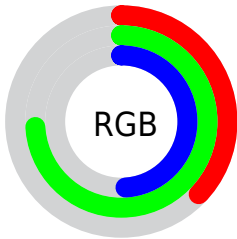
Format	Color
RYB	94, 165, 189
Decimal	6208894
CIELab	69.67, -42.30, 23.46
CIELCh	70, 48.371, 150.987
Yxy	40.2812, 0.2859, 0.4333
Android (android.graphics.Color)	4284398974 (0xFF5EBD7E)
YUV	153.4130, -13.5146, -52.1052
Hunter-Lab	63.4675, -36.3174, 20.0412

Details

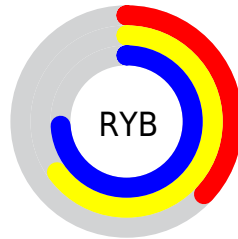
The Yxy color **40.2812, 0.2859, 0.4333** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.2607, 0.3584, 0.2452**, and the grayscale version is **32.1167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6502, 0.2921, 0.4117**, and **18.1898, 0.2753, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **39.0994, 0.2829, 0.4587**, and if you desaturate by 10%, it is **41.7515, 0.2901, 0.4089**.

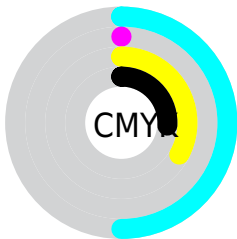
Distribution



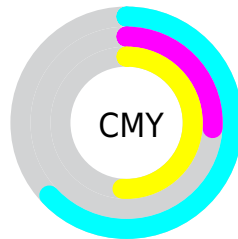
- Red (37%)
- Green (74%)
- Blue (49%)



- Red (37%)
- Yellow (65%)
- Blue (74%)



- Cyan (50%)
- Magenta (0%)
- Yellow (33%)
- Black (26%)



- Cyan (63%)
- Magenta (26%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2812, 0.2859, 0.4333 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 40.2812, 0.2859, 0.4333 by changing the saturation by 10% instead.


 40.2812, 0.2859,
0.4333


 40.2812, 0.2859,
0.4333


347.3074, 0.3013,
0.3767

 27.7579, 0.2813,
0.4490


 75.5915, 0.2920,
0.4116


 18.1432, 0.2749,
0.4701


 99.1473, 0.2942,
0.4038

 11.0529, 0.2655,
0.4998


 127.1493, 0.2959,
0.3973

 6.1024, 0.2504,
0.5444

 159.9820, 0.2974,
0.3919

 2.9074, 0.2244,
0.6198

198.0298, 0.2986,
0.3872

 1.0836, 0.0000,
1.0000

241.6770, 0.2996,

 0.0000, 0.0000,

0.3832

0.0000

291.3081, 0.3005,
0.3797

■ 40.2812, 0.2859,
0.4333

■ 40.2812, 0.2859,
0.4333

■ 39.0994, 0.2829,
0.4587

■ 41.7515, 0.2901,
0.4089

■ 38.1814, 0.2813,
0.4842

■ 43.5232, 0.2951,
0.3860

■ 37.5067, 0.2815,
0.5088

■ 45.6140, 0.3007,
0.3651

■ 37.0491, 0.2833,
0.5314

■ 48.0392, 0.3066,
0.3462

■ 36.7630, 0.2863,
0.5507

■ 50.8129, 0.3126,
0.3294

■ 53.9483, 0.3185,
0.3146

■ 57.4580, 0.3242,
0.3016

■ 61.3540, 0.3297,
0.2903

■ 63.8793, 0.3278,
0.2792

Harmonies

Analogous

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



40.2812, 0.3543, 0.4596



40.2812, 0.2859, 0.4333



40.2812, 0.2284, 0.3661

Triad

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



40.2812, 0.2859, 0.4333



40.2812, 0.2125, 0.2220



40.2812, 0.4458, 0.3409

Complementary

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



40.2812, 0.2859, 0.4333



21.2607, 0.3584, 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.



40.2812, 0.3991, 0.2902



40.2812, 0.2859, 0.4333



40.2812, 0.2602, 0.2251

Square

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



40.2812, 0.2859, 0.4333



40.2812, 0.1905, 0.2440



40.2812, 0.3281, 0.2494



40.2812, 0.4503, 0.3938

Rectangle

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



40.2812, 0.2859, 0.4333



40.2812, 0.2033, 0.3163



40.2812, 0.3281, 0.2494



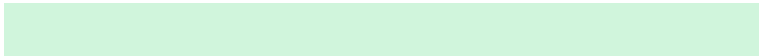
40.2812, 0.4345, 0.3234

Sweetspot

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



40.2829, 0.2859, 0.4333



83.7959, 0.3036, 0.3553



44.4076, 0.3563, 0.4628



17.8260, 0.3024, 0.3594



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.



40.2829, 0.2859, 0.4333



69.8938, 0.2827, 0.4605



41.8009, 0.2568, 0.3535



10.7012, 0.3071, 0.3446



24.7468, 0.2857, 0.5484



0.9818, 0.2714, 0.4972

Inverse Universe

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



21.2607, 0.3584, 0.2452



32.0537, 0.3724, 0.2303



19.9476, 0.4287, 0.3077



9.6402, 0.3188, 0.3139



8.2969, 0.4271, 0.2126



0.3367, 0.3957, 0.1953

Previews

White Background



This preview shows how the Yxy color 40.2812, 0.2859, 0.4333 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 40.2812, 0.2859, 0.4333 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 40.2812, 0.2859, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 40.2812, 0.2859, 0.4333.



This preview shows how white text looks on a background with the Yxy color 40.2812, 0.2859, 0.4333.

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

40.2812, 0.2859, 0.4333

Protanopia

39.7276, 0.3722, 0.4005

Deuteranopia

39.5124, 0.3766, 0.3685



Tritanopia

39.9622, 0.2512, 0.3067

Trichromacy



Original Color

40.2812, 0.2859, 0.4333



Protanomaly

38.9860, 0.3360, 0.4135



Deuteranomaly

38.5903, 0.3372, 0.3911



Tritanomaly

39.7725, 0.2635, 0.3491

Monochromacy



Original Color

40.2812, 0.2859, 0.4333



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.1611, 0.3011, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2812, 0.2859, 0.4333 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(94, 189, 126)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 189, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 189, 126) }
```

Border

The CSS property to change the border of an element to Yxy 40.2812, 0.2859, 0.4333 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(94, 189, 126) }
```

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

```
.border{ border-color:rgb(94, 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(94, 189, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 189, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 189, 126);  
box-shadow:4px 4px 4px 4px rgb(94, 189,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2812, 0.2859, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 189, 126) }
```

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

```
.background{ background-color: rgb(94, 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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