

Converting Colors

$Yxy(44.9919, 0.2941, 0.4315)$

Have a look what the booklet for
Yxy(44.9919, 0.2941, 0.4315)
contains.

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Color

Yxy(44.9507, 0.2941, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	6FC583
RGB	111, 197, 131
RGB Percent	44%, 77%, 51%
CMY	0.5648, 0.2274, 0.4863
CMYK	0.44, 0.00, 0.34, 0.23
HSL	134°, 43%, 60%
HSV	134°, 44%, 77%
XYZ	30.6160, 44.9507, 28.5340
YIQ	163.7620, -30.0700, -38.7580

Conversions

Conversions Part 2

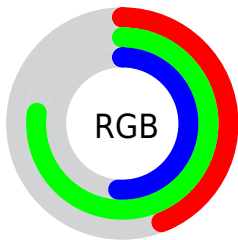
Format	Color
RYB	111, 181, 197
Decimal	7325059
CIELab	72.86, -40.27, 25.22
CIElCh	73, 47.513, 147.942
Yxy	44.9507, 0.2941, 0.4318
Android (android.graphics.Color)	4285515139 (0xFF6FC583)
YUV	163.7620, -16.1517, -46.2723
Hunter-Lab	67.0453, -35.8178, 21.6983

Details

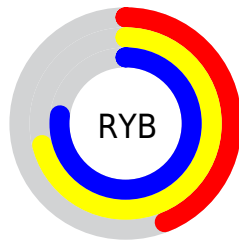
The Yxy color **44.9507, 0.2941, 0.4318** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.4089, 0.3399, 0.2450**, and the grayscale version is **37.0924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4513, 0.2985, 0.4115**, and **21.0798, 0.2863, 0.4665** is the 20% darker color. If you saturate the color by 10%, you get **43.4323, 0.2911, 0.4605**, and if you desaturate by 10%, it is **46.8144, 0.2978, 0.4044**.

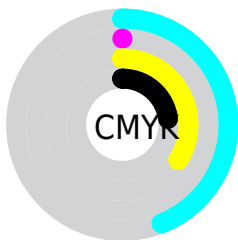
Distribution



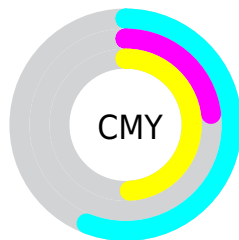
- Red (44%)
- Green (77%)
- Blue (51%)



- Red (44%)
- Yellow (71%)
- Blue (77%)



- Cyan (44%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)




- Cyan (56%)
- Magenta (23%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9507, 0.2941, 0.4318 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 44.9507, 0.2941, 0.4318 by changing the saturation by 10% instead.


 44.9507, 0.2941,
0.4318


 44.9507, 0.2941,
0.4318


366.5739, 0.3051,
0.3771


 31.4186, 0.2907,
0.4465


 82.6464, 0.2985,
0.4111

 20.9178, 0.2860,
0.4661


 107.5788, 0.3001,
0.4036

 13.0639, 0.2791,
0.4931


 137.0801, 0.3013,
0.3973

 7.4726, 0.2679,
0.5327

171.5347, 0.3023,
0.3920

 3.7594, 0.2479,
0.5950

211.3270, 0.3032,
0.3875

 1.5399, 0.1938,
0.8062

256.8414, 0.3039,

 0.3166, 0.0000,

0.3835

1.0000

308.4622, 0.3046,
0.3801

0.0000, 0.0000,
0.0000

44.9507, 0.2941,
0.4318

44.9507, 0.2941,
0.4318

43.4323, 0.2911,
0.4605

46.8144, 0.2978,
0.4044

42.2324, 0.2892,
0.4896

49.0372, 0.3021,
0.3791

41.3289, 0.2885,
0.5175


51.6391, 0.3065,
0.3562

40.6948, 0.2893,
0.5427


54.6367, 0.3111,
0.3359


40.2974, 0.2914,
0.5638


58.0458, 0.3155,
0.3179

 40.1320, 0.2930,
0.5747

 61.8813, 0.3198,
0.3022

 66.1573, 0.3239,
0.2886

 68.2195, 0.3176,
0.2750

 68.4159, 0.3154,
0.2722

Harmonies

Analogous

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



44.9507, 0.3592, 0.4523



44.9507, 0.2941, 0.4318



44.9507, 0.2374, 0.3715

Triad

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



44.9507, 0.2941, 0.4318



44.9507, 0.2139, 0.2280



44.9507, 0.4360, 0.3358

Complementary

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



44.9507, 0.2941, 0.4318



26.4089, 0.3399, 0.2450

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.



44.9507, 0.3883, 0.2878



44.9507, 0.2941, 0.4318



44.9507, 0.2572, 0.2284

Square

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



44.9507, 0.2941, 0.4318



44.9507, 0.1953, 0.2520



44.9507, 0.3205, 0.2498



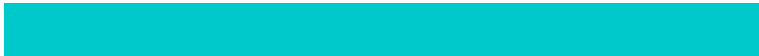
44.9507, 0.4449, 0.3865

Rectangle

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



44.9507, 0.2941, 0.4318



44.9507, 0.2115, 0.3243



44.9507, 0.3205, 0.2498



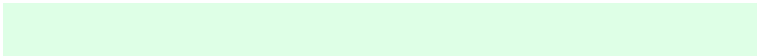
44.9507, 0.4238, 0.3191

Sweetspot

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



44.9526, 0.2941, 0.4318



92.7147, 0.3068, 0.3552



50.5916, 0.3605, 0.4419



19.6067, 0.3057, 0.3601



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.



44.9526, 0.2941, 0.4318



77.9953, 0.2913, 0.4580



46.3168, 0.2683, 0.3652



11.9277, 0.3085, 0.3472



26.4053, 0.2924, 0.5727



1.2619, 0.2808, 0.5310

Inverse Universe

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



26.4089, 0.3399, 0.2450



40.6670, 0.3475, 0.2290



24.9944, 0.3930, 0.2967



10.7728, 0.3172, 0.3114



9.2940, 0.3894, 0.1919



0.4507, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 44.9507, 0.2941, 0.4318 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 44.9507, 0.2941, 0.4318 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 44.9507, 0.2941, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 44.9507, 0.2941, 0.4318.



This preview shows how white text looks on a background with the Yxy color 44.9507, 0.2941, 0.4318.

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

44.9507, 0.2941, 0.4318

Protanopia

44.4773, 0.3719, 0.4012

Deuteranopia

44.4873, 0.3790, 0.3716



Tritanopia

44.7903, 0.2579, 0.3079

Trichromacy



Original Color

44.9507, 0.2941, 0.4318



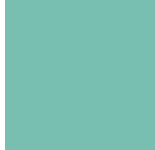
Protanomaly

43.9908, 0.3400, 0.4129



Deuteranomaly

43.2760, 0.3433, 0.3917



Tritanomaly

44.5009, 0.2706, 0.3495

Monochromacy



Original Color

44.9507, 0.2941, 0.4318



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.3374, 0.3050, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9507, 0.2941, 0.4318 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(111, 197, 131)` looks like.

```
.text, #text, p{  
    color:rgb(111, 197, 131)  
}
```

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(111, 197, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 197, 131) }
```

Border

The CSS property to change the border of an element to Yxy 44.9507, 0.2941, 0.4318 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(111, 197, 131) }
```

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

```
.border{ border-color:rgb(111, 197, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 197, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 197, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 197, 131);  
box-shadow:4px 4px 4px 4px rgb(111, 197,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9507, 0.2941, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 197, 131) }
```

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

```
.background{ background-color: rgb(111,  
197, 131) }
```

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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