

Converting Colors

$Yxy(46.1553, 0.2985, 0.4295)$

Have a look what the booklet for
Yxy(46.1553, 0.2985, 0.4295)
contains.

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Color

Yxy(46.0036, 0.2982, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	77C685
RGB	119, 198, 133
RGB Percent	47%, 78%, 52%
CMY	0.5335, 0.2235, 0.4785
CMYK	0.40, 0.00, 0.33, 0.22
HSL	131°, 41%, 62%
HSV	131°, 40%, 78%
XYZ	32.0296, 46.0036, 29.3766
YIQ	166.9690, -26.2190, -36.9630

Conversions

Conversions Part 2

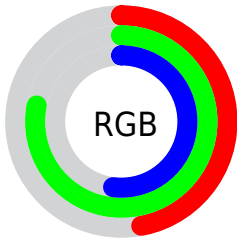
Format	Color
RYB	119, 186, 198
Decimal	7849605
CIELab	73.55, -38.04, 25.16
CIElCh	74, 45.607, 146.520
Yxy	46.0036, 0.2982, 0.4283
Android (android.graphics.Color)	4286039685 (0xFF77C685)
YUV	166.9690, -16.7467, -42.0688
Hunter-Lab	67.8260, -34.4020, 21.7987

Details

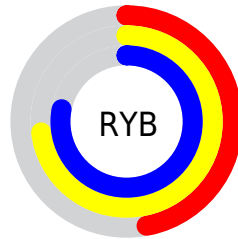
The Yxy color **46.0036, 0.2982, 0.4283** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.6492, 0.3321, 0.2469**, and the grayscale version is **38.7154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1065, 0.3015, 0.4078**, and **21.6949, 0.2914, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **44.3324, 0.2953, 0.4586**, and if you desaturate by 10%, it is **48.0403, 0.3016, 0.3997**.

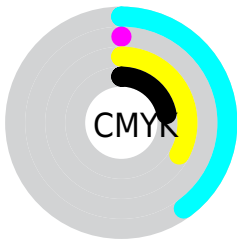
Distribution



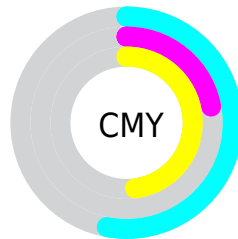
- Red (47%)
- Green (78%)
- Blue (52%)



- Red (47%)
- Yellow (73%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (53%)
- Magenta (22%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0036, 0.2982, 0.4283 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 46.0036, 0.2982, 0.4283 by changing the saturation by 10% instead.


 46.0036, 0.2982,
0.4283

 46.0036, 0.2982,
0.4283

370.8231, 0.3070,
0.3757


 32.2487, 0.2954,
0.4423


 84.2244, 0.3018,
0.4085

 21.5515, 0.2916,
0.4609


 109.4590, 0.3030,
0.4013

 13.5277, 0.2857,
0.4864


 139.2890, 0.3040,
0.3953

 7.7929, 0.2763,
0.5236

174.0988, 0.3048,
0.3902

 3.9627, 0.2592,
0.5817

214.2726, 0.3055,
0.3858

 1.6527, 0.2312,
0.7688

260.1951, 0.3061,

 0.3928, 0.0000,

0.3820

1.0000

312.2504, 0.3066,
0.3787

0.0000, 0.0000,
0.0000

46.0036, 0.2982,
0.4283

46.0036, 0.2982,
0.4283

44.3324, 0.2953,
0.4586

48.0403, 0.3016,
0.3997

42.9994, 0.2933,
0.4893

50.4563, 0.3052,
0.3734

41.9827, 0.2922,
0.5190


53.2719, 0.3090,
0.3498


41.2554, 0.2923,
0.5457


56.5042, 0.3127,
0.3289

40.7861, 0.2936,
0.5678

60.1691, 0.3163,
0.3106

 40.5178, 0.2956,
0.5840

 64.2820, 0.3198,
0.2947

 40.5162, 0.2956,
0.5841

 68.3686, 0.3210,
0.2806

 68.8739, 0.3153,
0.2732

Harmonies

Analogous

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



46.0036, 0.3604, 0.4462



46.0036, 0.2982, 0.4283



46.0036, 0.2431, 0.3726

Triad

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



46.0036, 0.2982, 0.4283



46.0036, 0.2166, 0.2329



46.0036, 0.4287, 0.3336

Complementary

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



46.0036, 0.2982, 0.4283



28.6492, 0.3321, 0.2469

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.



46.0036, 0.3820, 0.2877



46.0036, 0.2982, 0.4283



46.0036, 0.2573, 0.2320

Square

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



46.0036, 0.2982, 0.4283



46.0036, 0.1999, 0.2574



46.0036, 0.3172, 0.2517



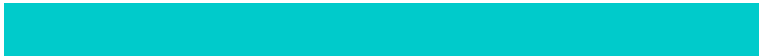
46.0036, 0.4393, 0.3824

Rectangle

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



46.0036, 0.2982, 0.4283



46.0036, 0.2173, 0.3279



46.0036, 0.3172, 0.2517



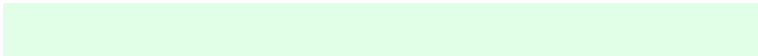
46.0036, 0.4166, 0.3176

Sweetspot

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



46.0055, 0.2982, 0.4283



93.1351, 0.3082, 0.3548



52.0185, 0.3603, 0.4310



19.7890, 0.3077, 0.3579



0.0000, 0.0000, 0.0000



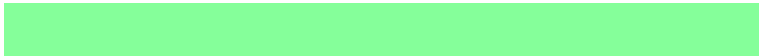
21.4041, 0.3127, 0.3290

Same Dimension

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



46.0055, 0.2982, 0.4283



78.8182, 0.2957, 0.4549



47.2779, 0.2738, 0.3676



11.9181, 0.3092, 0.3486



26.3541, 0.2951, 0.5824



1.2576, 0.2849, 0.5458

Inverse Universe

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



28.6492, 0.3321, 0.2469



43.8243, 0.3376, 0.2300



27.2432, 0.3782, 0.2943



10.7831, 0.3164, 0.3102



9.5352, 0.3711, 0.1818



0.4602, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 46.0036, 0.2982, 0.4283 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 46.0036, 0.2982, 0.4283 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 46.0036, 0.2982, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 46.0036, 0.2982, 0.4283.



This preview shows how white text looks on a background with the Yxy color 46.0036, 0.2982, 0.4283.

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

46.0036, 0.2982, 0.4283

Protanopia

45.5925, 0.3713, 0.4005

Deuteranopia

45.2180, 0.3787, 0.3700



Tritanopia

45.8232, 0.2618, 0.3082

Trichromacy



Original Color

46.0036, 0.2982, 0.4283



Protanomaly

45.3147, 0.3415, 0.4116



Deuteranomaly

44.3189, 0.3460, 0.3892



Tritanomaly

45.5808, 0.2753, 0.3492

Monochromacy



Original Color

46.0036, 0.2982, 0.4283



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.6914, 0.3068, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0036, 0.2982, 0.4283 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(119, 198, 133)` looks like.

```
.text, #text, p{  
    color:rgb(119, 198, 133)  
}
```

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(119, 198, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 198, 133) }
```

Border

The CSS property to change the border of an element to Yxy 46.0036, 0.2982, 0.4283 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(119, 198, 133) }
```

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

```
.border{ border-color:rgb(119, 198, 133) }
```

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

Here you see how a box with a 4 pixel rgb(119, 198, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 198, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 198, 133);  
box-shadow:4px 4px 4px 4px rgb(119, 198,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0036, 0.2982, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 198, 133) }
```

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

```
.background{ background-color: rgb(119,  
198, 133) }
```

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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