

Converting Colors

$Yxy(41.9680, 0.2967, 0.4155)$

Have a look what the booklet for
Yxy(41.9680, 0.2967, 0.4155)
contains.

Yxy(41.9680, 0.2967, 0.4155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.9680, 0.2967, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	76BD86
RGB	118, 189, 134
RGB Percent	46%, 74%, 53%
CMY	0.5373, 0.2588, 0.4746
CMYK	0.38, 0.00, 0.29, 0.26
HSL	134°, 35%, 60%
HSV	134°, 38%, 74%
XYZ	29.9685, 41.9680, 29.0695
YIQ	161.5010, -24.6610, -32.1570

Conversions

Conversions Part 2

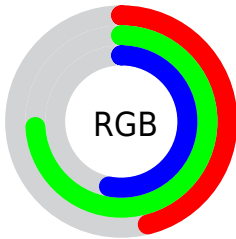
Format	Color
RYB	118, 176, 189
Decimal	7781766
CIELab	70.85, -34.04, 20.96
CIELCh	71, 39.970, 148.377
Yxy	41.9680, 0.2967, 0.4155
Android (android.graphics.Color)	4285971846 (0xFF76BD86)
YUV	161.5010, -13.5580, -38.1504
Hunter-Lab	64.7827, -30.7956, 18.7431

Details

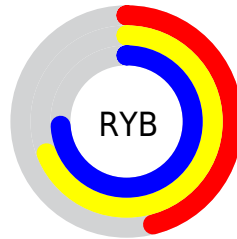
The Yxy color $41.9680, 0.2967, 0.4155$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $26.7883, 0.3345, 0.2560$, and the grayscale version is $35.9568, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3836, 0.3010, 0.3988$, and $19.0919, 0.2897, 0.4445$ is the 20% darker color. If you saturate the color by 10%, you get $40.3961, 0.2933, 0.4437$, and if you desaturate by 10%, it is $43.8650, 0.3007, 0.3892$.

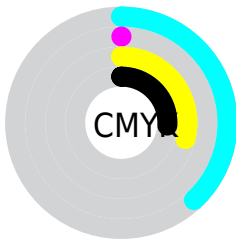
Distribution



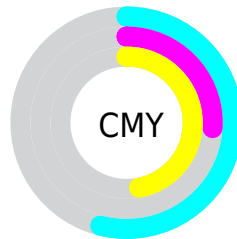
- Red (46%)
- Green (74%)
- Blue (53%)



- Red (46%)
- Yellow (69%)
- Blue (74%)



- Cyan (38%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9680, 0.2967, 0.4155 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 41.9680, 0.2967, 0.4155 by changing the saturation by 10% instead.


 41.9680, 0.2967,
0.4155


 41.9680, 0.2967,
0.4155

354.3503, 0.3060,
0.3693


 29.0762, 0.2939,
0.4281


 78.1512, 0.3004,
0.3980

 19.1385, 0.2900,
0.4448


 102.2114, 0.3017,
0.3916

 11.7704, 0.2841,
0.4682


 130.7632, 0.3028,
0.3863

 6.5875, 0.2747,
0.5029

164.1911, 0.3037,
0.3818

 3.2055, 0.2577,
0.5591

202.8793, 0.3044,
0.3780

 1.2399, 0.2004,
0.7996

247.2123, 0.3050,

 0.0940, 0.0000,

0.3747

1.0000

297.5745, 0.3056,
0.3718

■ 0.0000, 0.0000,
0.0000

■ 41.9680, 0.2967,
0.4155

■ 41.9680, 0.2967,
0.4155

■ 40.3961, 0.2933,
0.4437

■ 43.8650, 0.3007,
0.3892

■ 39.1259, 0.2907,
0.4728

■ 46.0988, 0.3050,
0.3652

■ 38.1391, 0.2893,
0.5017


■ 48.6866, 0.3094,
0.3436


■ 37.4130, 0.2891,
0.5289


■ 51.6430, 0.3138,
0.3246


■ 36.9214, 0.2904,
0.5526

■ 54.9819, 0.3180,
0.3080


 36.6269, 0.2927,
0.5718

 58.7164, 0.3221,
0.2935

 36.5705, 0.2933,
0.5757

 62.8589, 0.3259,
0.2809

 64.6312, 0.3186,
0.2679

 64.8790, 0.3157,
0.2644

Harmonies

Analogous

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



41.9680, 0.3534, 0.4346



41.9680, 0.2967, 0.4155



41.9680, 0.2471, 0.3647

Triad

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



41.9680, 0.2967, 0.4155



41.9680, 0.2267, 0.2406



41.9680, 0.4191, 0.3368

Complementary

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



41.9680, 0.2967, 0.4155



26.7883, 0.3345, 0.2560

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.



41.9680, 0.3787, 0.2939



41.9680, 0.2967, 0.4155



41.9680, 0.2655, 0.2408

Square

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



41.9680, 0.2967, 0.4155



41.9680, 0.2097, 0.2623



41.9680, 0.3208, 0.2599



41.9680, 0.4269, 0.3815

Rectangle

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



41.9680, 0.2967, 0.4155



41.9680, 0.2242, 0.3250



41.9680, 0.3208, 0.2599



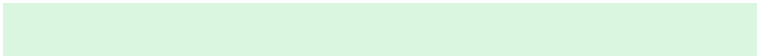
41.9680, 0.4088, 0.3219

Sweetspot

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



41.9697, 0.2967, 0.4155



85.4482, 0.3078, 0.3511



46.6614, 0.3544, 0.4258



18.2391, 0.3072, 0.3540



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.



41.9697, 0.2967, 0.4155



72.8244, 0.2939, 0.4383



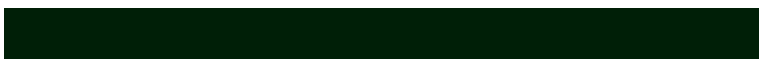
43.1091, 0.2735, 0.3593



10.6839, 0.3086, 0.3473



24.6130, 0.2927, 0.5737



0.9743, 0.2796, 0.5265

Inverse Universe

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



26.7883, 0.3345, 0.2560



41.7700, 0.3407, 0.2407



25.6092, 0.3771, 0.3013



9.6585, 0.3171, 0.3114



8.6960, 0.3867, 0.1904



0.3499, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 41.9680, 0.2967, 0.4155 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 41.9680, 0.2967, 0.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

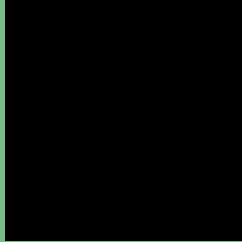
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9680, 0.2967, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 41.9680, 0.2967, 0.4155.



This preview shows how white text looks on a background with the Yxy color 41.9680, 0.2967, 0.4155.

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

41.9680, 0.2967, 0.4155

Protanopia

41.3516, 0.3642, 0.3902

Deuteranopia

41.5540, 0.3713, 0.3640



Tritanopia

41.8586, 0.2634, 0.3075

Trichromacy



Original Color

41.9680, 0.2967, 0.4155

Protanomaly

41.0296, 0.3367, 0.3988

Deuteranomaly

40.7362, 0.3413, 0.3815

Tritanomaly

41.7337, 0.2754, 0.3453

Monochromacy



Original Color

41.9680, 0.2967, 0.4155

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.3799, 0.3060, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9680, 0.2967, 0.4155 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(118, 189, 134)` looks like.

```
.text, #text, p{  
    color:rgb(118, 189, 134)  
}
```

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(118, 189, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 189, 134) }
```

Border

The CSS property to change the border of an element to Yxy 41.9680, 0.2967, 0.4155 is called "border". The border property can be set on classes, ids or directly on the HTML element.

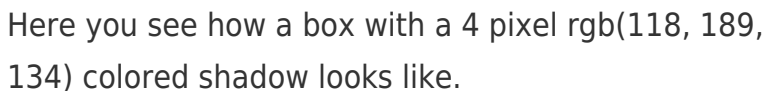
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 189, 134) }
```

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

```
.border{ border-color:rgb(118, 189, 134) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 189, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 189, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 189, 134); box-shadow:4px 4px 4px 4px rgb(118, 189, 134) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9680, 0.2967, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 189, 134) }
```

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

```
.background{ background-color: rgb(118,  
189, 134) }
```

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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