

Converting Colors

$Yxy(41.0026, 0.3291, 0.4570)$

Have a look what the booklet for
Yxy(41.0026, 0.3291, 0.4570)
contains.

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Color

Yxy(41.0026, 0.3291, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	84BA67
RGB	132, 186, 103
RGB Percent	52%, 73%, 40%
CMY	0.4822, 0.2706, 0.5960
CMYK	0.29, 0.00, 0.45, 0.27
HSL	99°, 38%, 57%
HSV	99°, 45%, 73%
XYZ	29.5273, 41.0026, 19.1914
YIQ	160.3920, -5.5410, -37.2610

Conversions

Conversions Part 2

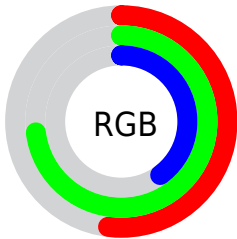
Format	Color
RYB	103, 186, 157
Decimal	8698471
CIELab	70.18, -32.82, 36.45
CIELCh	70, 49.046, 132.004
Yxy	41.0026, 0.3291, 0.4570
Android (android.graphics.Color)	4286888551 (0xFF84BA67)
YUV	160.3920, -28.2943, -24.8998
Hunter-Lab	64.0333, -29.7477, 27.0535

Details

The Yxy color **41.0026, 0.3291, 0.4570** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.4118, 0.2848, 0.2105**, and the grayscale version is **35.4838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4356, 0.3281, 0.4311**, and **18.4311, 0.3283, 0.4984** is the 20% darker color. If you saturate the color by 10%, you get **39.7520, 0.3307, 0.4884**, and if you desaturate by 10%, it is **42.4529, 0.3264, 0.4254**.

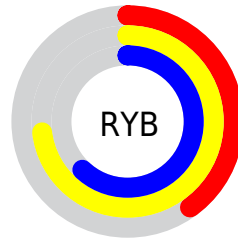
Distribution



Red (52%)

Green (73%)

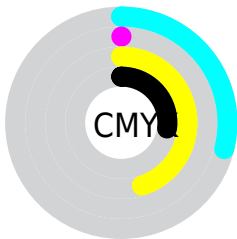
Blue (40%)



Red (40%)

Yellow (73%)

Blue (62%)

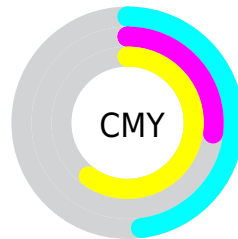


Cyan (29%)

Magenta (0%)

Yellow (45%)

Black (27%)



Cyan (48%)


Magenta (27%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0026, 0.3291, 0.4570 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 41.0026, 0.3291, 0.4570 by changing the saturation by 10% instead.

 41.0026, 0.3291,
0.4570

 41.0026, 0.3291,
0.4570


350.3315, 0.3234,
0.3884


 28.3211, 0.3294,
0.4754


 76.6878, 0.3278,
0.4311


 18.5679, 0.3290,
0.4995


 100.4604, 0.3270,
0.4217

 11.3584, 0.3269,
0.5324


 128.6987, 0.3263,
0.4138

 6.3085, 0.3205,
0.5790

 161.7873, 0.3256,
0.4071

 3.0335, 0.3187,
0.6813

200.1105, 0.3250,
0.4014

 1.1493, 0.1901,
0.8099

244.0526, 0.3244,

 0.0197, 0.0000,

0.3965

1.0000

293.9982, 0.3239,
0.3922

0.0000, 0.0000,
0.0000

41.0026, 0.3291,
0.4570

41.0026, 0.3291,
0.4570

39.7520, 0.3307,
0.4884

42.4529, 0.3264,
0.4254

38.6863, 0.3308,
0.5180

44.1063, 0.3229,
0.3950

37.7970, 0.3293,
0.5441


45.9727, 0.3189,
0.3664

37.0725, 0.3260,
0.5648


48.0597, 0.3147,
0.3402


36.4996, 0.3214,
0.5792


50.3747, 0.3104,
0.3166

 36.2423, 0.3187,
0.5851

 52.9245, 0.3062,
0.2955

 55.7159, 0.3021,
0.2767

 58.7551, 0.2982,
0.2602

 61.0159, 0.3051,
0.2591

Harmonies

Analogous

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



41.0026, 0.3952, 0.4520



41.0026, 0.3291, 0.4570



41.0026, 0.2622, 0.4125

Triad

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



41.0026, 0.3291, 0.4570



41.0026, 0.1947, 0.2321



41.0026, 0.4213, 0.3079

Complementary

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



41.0026, 0.3291, 0.4570



20.4118, 0.2848, 0.2105

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.



41.0026, 0.3555, 0.2623



41.0026, 0.3291, 0.4570



41.0026, 0.2265, 0.2197

Square

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



41.0026, 0.3291, 0.4570



41.0026, 0.1895, 0.2718



41.0026, 0.2831, 0.2311



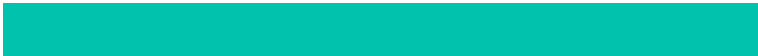
41.0026, 0.4538, 0.3606

Rectangle

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



41.0026, 0.3291, 0.4570



41.0026, 0.2262, 0.3638



41.0026, 0.2831, 0.2311



41.0026, 0.4019, 0.2915

Sweetspot

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



41.0044, 0.3291, 0.4570



83.8380, 0.3184, 0.3626



35.5153, 0.3943, 0.4030



18.2867, 0.3193, 0.3687



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.



41.0044, 0.3291, 0.4570



71.9981, 0.3307, 0.4893



39.2488, 0.2983, 0.4457



10.2088, 0.3167, 0.3523



24.4219, 0.3196, 0.5844



0.8962, 0.3413, 0.5672

Inverse Universe

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



20.4118, 0.2848, 0.2105



29.6916, 0.2759, 0.1833



23.1791, 0.3321, 0.2355



9.0013, 0.3083, 0.3061



5.1598, 0.2356, 0.1071



0.2150, 0.2582, 0.1196

Previews

White Background



This preview shows how the Yxy color 41.0026, 0.3291, 0.4570 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 41.0026, 0.3291, 0.4570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

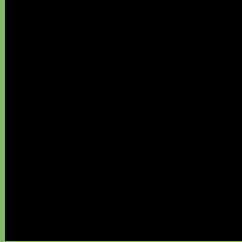
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0026, 0.3291, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 41.0026, 0.3291, 0.4570.



This preview shows how white text looks on a background with the Yxy color 41.0026, 0.3291, 0.4570.

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

41.0026, 0.3291, 0.4570

Protanopia

40.6990, 0.3922, 0.4255

Deuteranopia

40.3989, 0.4066, 0.3981



Tritanopia

40.8794, 0.2774, 0.3092

Trichromacy



Original Color

41.0026, 0.3291, 0.4570

Protanomaly

40.2956, 0.3680, 0.4365

Deuteranomaly

39.7501, 0.3766, 0.4187

Tritanomaly

40.7739, 0.2970, 0.3618

Monochromacy



Original Color

41.0026, 0.3291, 0.4570

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7240, 0.3206, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0026, 0.3291, 0.4570 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(132, 186, 103)` looks like.

```
.text, #text, p{  
    color:rgb(132, 186, 103)  
}
```

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(132, 186, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 186, 103) }
```

Border

The CSS property to change the border of an element to Yxy 41.0026, 0.3291, 0.4570 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(132, 186, 103) }
```

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

```
.border{ border-color:rgb(132, 186, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 186, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 186, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 186, 103);  
box-shadow:4px 4px 4px 4px rgb(132, 186,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0026, 0.3291, 0.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 186, 103) }
```

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

```
.background{ background-color: rgb(132,  
186, 103) }
```

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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