

Converting Colors

$Yxy(40.9045, 0.3337, 0.4527)$

Have a look what the booklet for
Yxy(40.9045, 0.3337, 0.4527)
contains.

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Color

Yxy(41.0158, 0.3329, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	89B968
RGB	137, 185, 104
RGB Percent	54%, 73%, 41%
CMY	0.4628, 0.2745, 0.5921
CMYK	0.26, 0.00, 0.44, 0.27
HSL	96°, 37%, 57%
HSV	96°, 44%, 73%
XYZ	30.1616, 41.0158, 19.4252
YIQ	161.4140, -2.6070, -35.3670

Conversions

Conversions Part 2

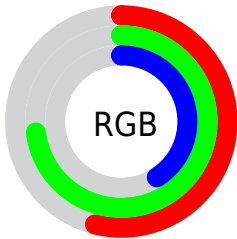
Format	Color
RYB	104, 185, 152
Decimal	9025896
CIELab	70.19, -30.45, 36.01
CIElCh	70, 47.159, 130.222
Yxy	41.0158, 0.3329, 0.4527
Android (android.graphics.Color)	4287215976 (0xFF89B968)
YUV	161.4140, -28.3051, -21.4111
Hunter-Lab	64.0436, -28.0109, 26.8471

Details

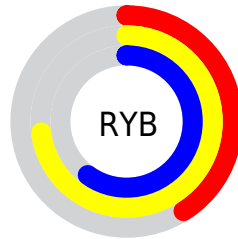
The Yxy color **41.0158, 0.3329, 0.4527** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.0844, 0.2803, 0.2111**, and the grayscale version is **35.9777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5174, 0.3310, 0.4279**, and **18.7097, 0.3343, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **39.8016, 0.3354, 0.4834**, and if you desaturate by 10%, it is **42.4103, 0.3292, 0.4219**.

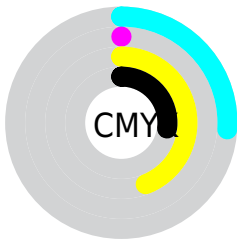
Distribution



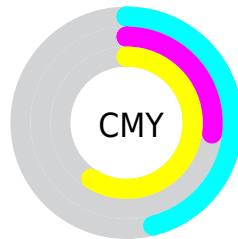
- Red (54%)
- Green (73%)
- Blue (41%)



- Red (41%)
- Yellow (73%)
- Blue (60%)



- Cyan (26%)
- Magenta (0%)
- Yellow (44%)
- Black (27%)





- Cyan (46%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0158, 0.3329, 0.4527 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 41.0158, 0.3329, 0.4527 by changing the saturation by 10% instead.


 41.0158, 0.3329,
0.4527

 41.0158, 0.3329,
0.4527


350.3866, 0.3250,
0.3866

 28.3314, 0.3338,
0.4703


 76.7079, 0.3307,
0.4278


 18.5756, 0.3343,
0.4934


 100.4844, 0.3297,
0.4187

 11.3641, 0.3334,
0.5249


 128.7270, 0.3287,
0.4111

 6.3123, 0.3288,
0.5693

 161.8203, 0.3279,
0.4047

 3.0359, 0.3313,
0.6687

200.1484, 0.3270,
0.3992

 1.1505, 0.2221,
0.7779

244.0960, 0.3263,

 0.0207, 0.0000,

0.3945

1.0000

294.0472, 0.3256,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 41.0158, 0.3329,
0.4527

■ 41.0158, 0.3329,
0.4527

■ 39.8016, 0.3354,
0.4834

■ 42.4103, 0.3292,
0.4219

■ 38.7541, 0.3363,
0.5123

■ 43.9874, 0.3248,
0.3920

■ 37.8661, 0.3354,
0.5379


■ 45.7561, 0.3198,
0.3640


■ 37.1274, 0.3326,
0.5586

■ 47.7230, 0.3147,
0.3382

■ 36.5263, 0.3281,
0.5733


■ 49.8946, 0.3095,
0.3147

 36.2097, 0.3249,
0.5802

 52.2769, 0.3044,
0.2937

 54.8757, 0.2996,
0.2749

 57.6966, 0.2950,
0.2583

 59.7050, 0.3012,
0.2573

Harmonies

Analogous

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



41.0158, 0.3960, 0.4461



41.0158, 0.3329, 0.4527



41.0158, 0.2678, 0.4127

Triad

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



41.0158, 0.3329, 0.4527



41.0158, 0.1975, 0.2371



41.0158, 0.4140, 0.3060

Complementary

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



41.0158, 0.3329, 0.4527



20.0844, 0.2803, 0.2111

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.



41.0158, 0.3498, 0.2623



41.0158, 0.3329, 0.4527



41.0158, 0.2270, 0.2234

Square

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



41.0158, 0.3329, 0.4527



41.0158, 0.1942, 0.2774



41.0158, 0.2805, 0.2330



41.0158, 0.4478, 0.3569

Rectangle

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



41.0158, 0.3329, 0.4527



41.0158, 0.2321, 0.3669



41.0158, 0.2805, 0.2330



41.0158, 0.3949, 0.2903

Sweetspot

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



41.0176, 0.3329, 0.4527



82.1314, 0.3195, 0.3624



33.5313, 0.3957, 0.3947



17.5484, 0.3207, 0.3684



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.0176, 0.3329, 0.4527



71.2601, 0.3354, 0.4836



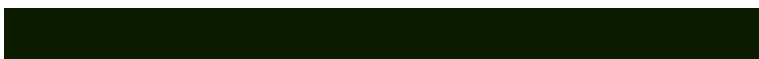
38.7874, 0.3021, 0.4521



10.2338, 0.3176, 0.3522



24.6933, 0.3258, 0.5795



0.9069, 0.3473, 0.5624

Inverse Universe

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



20.0844, 0.2803, 0.2111



28.6979, 0.2702, 0.1834



23.4422, 0.3253, 0.2309



8.9755, 0.3075, 0.3060



4.6726, 0.2228, 0.1001



0.1999, 0.2482, 0.1141

Previews

White Background



This preview shows how the Yxy color 41.0158, 0.3329, 0.4527 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 41.0158, 0.3329, 0.4527 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 41.0158, 0.3329, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 41.0158, 0.3329, 0.4527.



This preview shows how white text looks on a background with the Yxy color 41.0158, 0.3329, 0.4527.

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

41.0158, 0.3329, 0.4527

Protanopia

40.5915, 0.3904, 0.4247

Deuteranopia

40.4203, 0.4057, 0.3970



Tritanopia

40.8181, 0.2811, 0.3093

Trichromacy



Original Color

41.0158, 0.3329, 0.4527

Protanomaly

40.4253, 0.3682, 0.4348

Deuteranomaly

40.0111, 0.3778, 0.4168

Tritanomaly

40.7286, 0.3003, 0.3601

Monochromacy



Original Color

41.0158, 0.3329, 0.4527

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.3183, 0.3215, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0158, 0.3329, 0.4527 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(137, 185, 104)` looks like.

```
.text, #text, p{  
    color:rgb(137, 185, 104)  
}
```

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(137, 185, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 185, 104) }
```

Border

The CSS property to change the border of an element to Yxy 41.0158, 0.3329, 0.4527 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(137, 185, 104) }
```

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

```
.border{ border-color:rgb(137, 185, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 185, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 185, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 185, 104);  
box-shadow:4px 4px 4px 4px rgb(137, 185,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0158, 0.3329, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 185, 104) }
```

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

```
.background{ background-color: rgb(137,  
185, 104) }
```

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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