

Converting Colors

$Yxy(40.0522, 0.3229, 0.4466)$

Have a look what the booklet for
Yxy(40.0522, 0.3229, 0.4466)
contains.

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Color

Yxy(40.0522, 0.3229, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	81B86D
RGB	129, 184, 109
RGB Percent	51%, 72%, 43%
CMY	0.4940, 0.2784, 0.5726
CMYK	0.30, 0.00, 0.41, 0.28
HSL	104°, 35%, 57%
HSV	104°, 41%, 72%
XYZ	28.9585, 40.0522, 20.6718
YIQ	159.0050, -8.7050, -34.9850

Conversions

Conversions Part 2

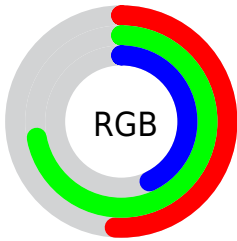
Format	Color
RYB	109, 184, 164
Decimal	8501357
CIELab	69.51, -32.12, 32.48
CIElCh	70, 45.676, 134.681
Yxy	40.0522, 0.3229, 0.4466
Android (android.graphics.Color)	4286691437 (0xFF81B86D)
YUV	159.0050, -24.6525, -26.3144
Hunter-Lab	63.2868, -29.0747, 24.9345

Details

The Yxy color **40.0522, 0.3229, 0.4466** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **22.2854, 0.2948, 0.2233**, and the grayscale version is **34.7956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0837, 0.3229, 0.4227**, and **18.1366, 0.3217, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **38.7107, 0.3238, 0.4793**, and if you desaturate by 10%, it is **41.6194, 0.3211, 0.4145**.

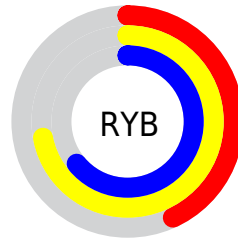
Distribution



Red (51%)

Green (72%)

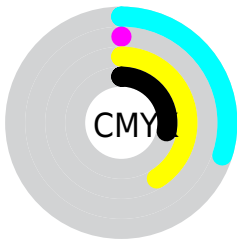
Blue (43%)



Red (43%)

Yellow (72%)

Blue (64%)

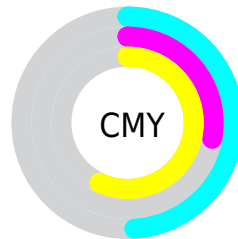


Cyan (30%)

Magenta (0%)

Yellow (41%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0522, 0.3229, 0.4466 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 40.0522, 0.3229, 0.4466 by changing the saturation by 10% instead.

 40.0522, 0.3229,
0.4466


 40.0522, 0.3229,
0.4466


346.3435, 0.3198,
0.3833

 27.5792, 0.3228,
0.4638


 75.2430, 0.3224,
0.4226

 18.0087, 0.3219,
0.4865


 98.7296, 0.3220,
0.4138

 10.9563, 0.3195,
0.5179


 126.6563, 0.3216,
0.4066

 6.0374, 0.3132,
0.5634

 159.4073, 0.3212,
0.4005

 2.8679, 0.3132,
0.6680

197.3672, 0.3209,
0.3952

 1.0631, 0.1691,
0.8309

240.9202, 0.3205,

 0.0000, 0.0000,

0.3907

0.0000

290.4509, 0.3202,
0.3868

■ 40.0522, 0.3229,
0.4466

■ 40.0522, 0.3229,
0.4466

■ 38.7107, 0.3238,
0.4793

■ 41.6194, 0.3211,
0.4145

■ 37.5792, 0.3237,
0.5110

■ 43.4171, 0.3187,
0.3841

■ 36.6477, 0.3222,
0.5396

■ 45.4562, 0.3159,
0.3561


■ 35.9035, 0.3194,
0.5633


■ 47.7455, 0.3129,
0.3308

■ 35.3321, 0.3155,
0.5804

■ 50.2932, 0.3099,
0.3082

 34.9367, 0.3115,
0.5909

 53.1073, 0.3069,
0.2883

 56.1954, 0.3040,
0.2708

 59.4873, 0.3021,
0.2564

 61.8947, 0.3124,
0.2587

Harmonies

Analogous

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



40.0522, 0.3860, 0.4469



40.0522, 0.3229, 0.4466



40.0522, 0.2604, 0.4014

Triad

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



40.0522, 0.3229, 0.4466



40.0522, 0.2026, 0.2355



40.0522, 0.4189, 0.3138

Complementary

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



40.0522, 0.3229, 0.4466



22.2854, 0.2948, 0.2233

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.



40.0522, 0.3592, 0.2694



40.0522, 0.3229, 0.4466



40.0522, 0.2352, 0.2256

Square

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



40.0522, 0.3229, 0.4466



40.0522, 0.1954, 0.2712



40.0522, 0.2908, 0.2381



40.0522, 0.4460, 0.3642

Rectangle

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



40.0522, 0.3229, 0.4466



40.0522, 0.2275, 0.3554



40.0522, 0.2908, 0.2381



40.0522, 0.4016, 0.2979

Sweetspot

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



40.0539, 0.3229, 0.4466



81.8452, 0.3163, 0.3600



37.3987, 0.3834, 0.4031



17.5379, 0.3167, 0.3635



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.



40.0539, 0.3229, 0.4466



70.3891, 0.3238, 0.4762



39.0177, 0.2960, 0.4252



10.1731, 0.3155, 0.3523



24.1093, 0.3122, 0.5903



0.8813, 0.3325, 0.5742

Inverse Universe

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



22.2854, 0.2948, 0.2233



33.7086, 0.2892, 0.1999



23.9448, 0.3360, 0.2493



9.0388, 0.3096, 0.3062



5.9613, 0.2550, 0.1178



0.2387, 0.2728, 0.1277

Previews

White Background



This preview shows how the Yxy color 40.0522, 0.3229, 0.4466 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 40.0522, 0.3229, 0.4466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

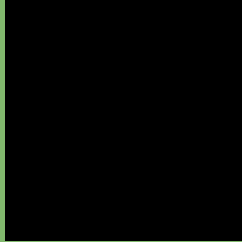
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0522, 0.3229, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 40.0522, 0.3229, 0.4466.



This preview shows how white text looks on a background with the Yxy color 40.0522, 0.3229, 0.4466.

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

40.0522, 0.3229, 0.4466

Protanopia

39.6695, 0.3862, 0.4181

Deuteranopia

39.6121, 0.3977, 0.3908



Tritanopia

40.0849, 0.2749, 0.3089

Trichromacy



Original Color

40.0522, 0.3229, 0.4466

Protanomaly

39.2914, 0.3621, 0.4285

Deuteranomaly

39.0333, 0.3681, 0.4107

Tritanomaly

39.6972, 0.2923, 0.3561

Monochromacy



Original Color

40.0522, 0.3229, 0.4466

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.2243, 0.3172, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0522, 0.3229, 0.4466 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(129, 184, 109)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 109)  
}
```

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(129, 184, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 109) }
```

Border

The CSS property to change the border of an element to Yxy 40.0522, 0.3229, 0.4466 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(129, 184, 109) }
```

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

```
.border{ border-color:rgb(129, 184, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 109);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0522, 0.3229, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 109) }
```

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

```
.background{ background-color: rgb(129,  
184, 109) }
```

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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