

Converting Colors

$Yxy(40.1743, 0.3321, 0.4775)$

Have a look what the booklet for
Yxy(40.1743, 0.3321, 0.4775)
contains.

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Color

Yxy(40.2916, 0.3324, 0.4781)

Conversions

Conversions Part 1

Format	Color
Hex	7EBA5A
RGB	126, 186, 90
RGB Percent	49%, 73%, 35%
CMY	0.5057, 0.2706, 0.6471
CMYK	0.32, 0.00, 0.52, 0.27
HSL	97°, 41%, 54%
HSV	97°, 52%, 73%
XYZ	28.0128, 40.2916, 15.9700
YIQ	157.1160, -4.9440, -42.5760

Conversions

Conversions Part 2

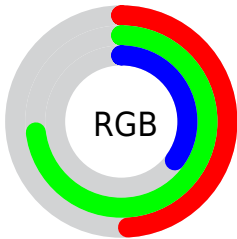
Format	Color
RYB	90, 186, 150
Decimal	8305242
CIELab	69.68, -36.55, 42.24
CIElCh	70, 55.863, 130.869
Yxy	40.2916, 0.3324, 0.4781
Android (android.graphics.Color)	4286495322 (0xFF7EBA5A)
YUV	157.1160, -33.0882, -27.2887
Hunter-Lab	63.4757, -32.3075, 29.5160

Details

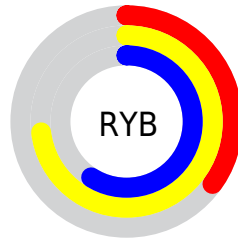
The Yxy color **40.2916, 0.3324, 0.4781** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.3335, 0.2760, 0.1907**, and the grayscale version is **33.9296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2810, 0.3312, 0.4477**, and **18.0722, 0.3314, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **39.1826, 0.3333, 0.5081**, and if you desaturate by 10%, it is **41.5858, 0.3301, 0.4468**.

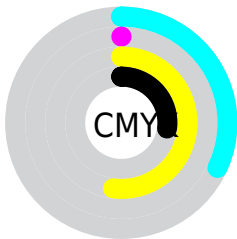
Distribution



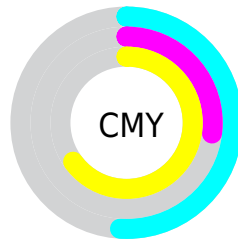
- Red (49%)
- Green (73%)
- Blue (35%)



- Red (35%)
- Yellow (73%)
- Blue (59%)



- Cyan (32%)
- Magenta (0%)
- Yellow (52%)
- Black (27%)





- Cyan (51%)
- Magenta (27%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2916, 0.3324, 0.4781 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 40.2916, 0.3324, 0.4781 by changing the saturation by 10% instead.

 40.2916, 0.3324,
0.4781


 40.2916, 0.3324,
0.4781

347.3511, 0.3260,
0.3979


 27.7660, 0.3324,
0.4995


 75.6073, 0.3312,
0.4478


 18.1493, 0.3311,
0.5274


 99.1663, 0.3304,
0.4368

 11.0572, 0.3271,
0.5649


 127.1717, 0.3295,
0.4276

 6.1054, 0.3177,
0.6190

 160.0081, 0.3288,
0.4198

 2.9092, 0.2963,
0.7037

198.0599, 0.3280,
0.4131

 1.0845, 0.1040,
0.8960

241.7113, 0.3273,

 0.0000, 0.0000,

0.4074

0.0000

291.3470, 0.3266,
0.4023

■ 40.2916, 0.3324,
0.4781

■ 40.2916, 0.3324,
0.4781

■ 39.1826, 0.3333,
0.5081

■ 41.5858, 0.3301,
0.4468

■ 38.2441, 0.3325,
0.5350

■ 43.0688, 0.3267,
0.4158

■ 37.4673, 0.3299,
0.5572

■ 44.7504, 0.3227,
0.3860

■ 36.8401, 0.3257,
0.5734

■ 46.6382, 0.3182,
0.3583

■ 36.4130, 0.3214,
0.5830

■ 48.7394, 0.3135,
0.3329

■ 51.0607, 0.3088,
0.3100

■ 53.6087, 0.3042,
0.2895

■ 56.3895, 0.2999,
0.2714

■ 59.2545, 0.2973,
0.2575

Harmonies

Analogous

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



40.2916, 0.4069, 0.4669



40.2916, 0.3324, 0.4781



40.2916, 0.2568, 0.4291

Triad

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



40.2916, 0.3324, 0.4781



40.2916, 0.1798, 0.2203



40.2916, 0.4348, 0.3019

Complementary

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



40.2916, 0.3324, 0.4781



17.3335, 0.2760, 0.1907

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.



40.2916, 0.3579, 0.2522



40.2916, 0.3324, 0.4781



40.2916, 0.2136, 0.2065

Square

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



40.2916, 0.3324, 0.4781



40.2916, 0.1749, 0.2650



40.2916, 0.2756, 0.2185



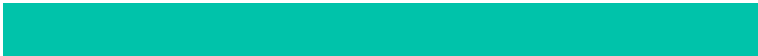
40.2916, 0.4733, 0.3598

Rectangle

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



40.2916, 0.3324, 0.4781



40.2916, 0.2161, 0.3719



40.2916, 0.2756, 0.2185



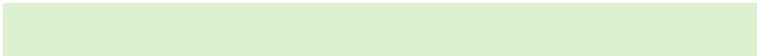
40.2916, 0.4120, 0.2841

Sweetspot

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



40.2933, 0.3324, 0.4781



83.2521, 0.3198, 0.3681



32.7327, 0.4116, 0.4099



18.1733, 0.3208, 0.3739



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.



40.2933, 0.3324, 0.4781



70.7659, 0.3333, 0.5121



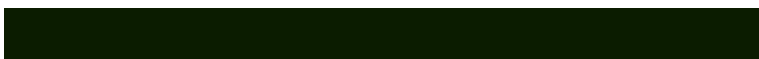
38.2327, 0.2985, 0.4730



10.2200, 0.3171, 0.3522



24.5383, 0.3223, 0.5823



0.9009, 0.3440, 0.5651

Inverse Universe

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



17.3335, 0.2760, 0.1907



24.5092, 0.2649, 0.1618



20.8359, 0.3319, 0.2187



8.9897, 0.3079, 0.3061



4.9337, 0.2298, 0.1039



0.2081, 0.2536, 0.1171

Previews

White Background



This preview shows how the Yxy color 40.2916, 0.3324, 0.4781 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 40.2916, 0.3324, 0.4781 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 40.2916, 0.3324, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 40.2916, 0.3324, 0.4781.



This preview shows how white text looks on a background with the Yxy color 40.2916, 0.3324, 0.4781.

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

40.2916, 0.3324, 0.4781

Protanopia

39.9701, 0.4018, 0.4399

Deuteranopia

39.9506, 0.4188, 0.4104



Tritanopia

40.0849, 0.2749, 0.3089

Trichromacy



Original Color

40.2916, 0.3324, 0.4781

Protanomaly

39.7381, 0.3746, 0.4544

Deuteranomaly

39.3989, 0.3853, 0.4344

Tritanomaly

39.7743, 0.2967, 0.3685

Monochromacy



Original Color

40.2916, 0.3324, 0.4781

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.8097, 0.3221, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2916, 0.3324, 0.4781 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(126, 186, 90)` looks like.

```
.text, #text, p{  
    color:rgb(126, 186, 90)  
}
```

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(126, 186, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 186, 90) }
```

Border

The CSS property to change the border of an element to Yxy 40.2916, 0.3324, 0.4781 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(126, 186, 90) }
```

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

```
.border{ border-color:rgb(126, 186, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 186, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 186, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 186, 90);  
box-shadow:4px 4px 4px 4px rgb(126, 186,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2916, 0.3324, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 186, 90) }
```

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

```
.background{ background-color: rgb(126,  
186, 90) }
```

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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