

Converting Colors

$Yxy(40.7251, 0.3281, 0.4511)$

Have a look what the booklet for
Yxy(40.7251, 0.3281, 0.4511)
contains.

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Color

Yxy(40.7251, 0.3281, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	85B96A
RGB	133, 185, 106
RGB Percent	52%, 73%, 42%
CMY	0.4785, 0.2745, 0.5843
CMYK	0.28, 0.00, 0.43, 0.27
HSL	100°, 36%, 57%
HSV	100°, 43%, 73%
XYZ	29.6207, 40.7251, 19.9337
YIQ	160.4460, -5.6330, -35.5930

Conversions

Conversions Part 2

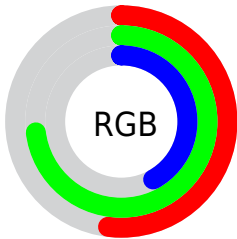
Format	Color
RYB	106, 185, 158
Decimal	8763754
CIELab	69.98, -31.62, 34.68
CIElCh	70, 46.936, 132.359
Yxy	40.7251, 0.3281, 0.4511
Android (android.graphics.Color)	4286953834 (0xFF85B96A)
YUV	160.4460, -26.8419, -24.0701
Hunter-Lab	63.8162, -28.8264, 26.1514

Details

The Yxy color **40.7251, 0.3281, 0.4511** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.0822, 0.2871, 0.2160**, and the grayscale version is **35.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0706, 0.3272, 0.4264**, and **18.5473, 0.3282, 0.4916** is the 20% darker color. If you saturate the color by 10%, you get **39.4480, 0.3298, 0.4828**, and if you desaturate by 10%, it is **42.2038, 0.3254, 0.4196**.

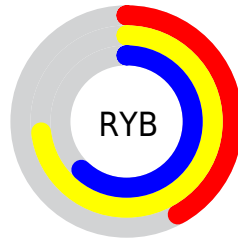
Distribution



Red (52%)

Green (73%)

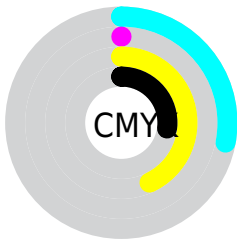
Blue (42%)



Red (42%)

Yellow (73%)

Blue (62%)

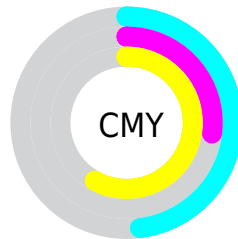


Cyan (28%)

Magenta (0%)

Yellow (43%)

Black (27%)



Cyan (48%)


Magenta (27%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7251, 0.3281, 0.4511 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 40.7251, 0.3281, 0.4511 by changing the saturation by 10% instead.


 40.7251, 0.3281,
0.4511


 40.7251, 0.3281,
0.4511


349.1704, 0.3226,
0.3857


 28.1043, 0.3285,
0.4687


 76.2664, 0.3268,
0.4263


 18.4043, 0.3282,
0.4919


 99.9558, 0.3261,
0.4173

 11.2407, 0.3265,
0.5236


 128.1034, 0.3254,
0.4098

 6.2289, 0.3209,
0.5688

 161.0938, 0.3247,
0.4035

 2.9848, 0.3241,
0.6759

199.3113, 0.3241,
0.3981

 1.1238, 0.1986,
0.8014

243.1403, 0.3236,

 0.0000, 0.0000,

0.3934

0.0000

292.9652, 0.3231,
0.3893

■ 40.7251, 0.3281,
0.4511

■ 40.7251, 0.3281,
0.4511

■ 39.4480, 0.3298,
0.4828

■ 42.2038, 0.3254,
0.4196

■ 38.3578, 0.3301,
0.5130

■ 43.8874, 0.3219,
0.3894

■ 37.4463, 0.3289,
0.5399

■ 45.7858, 0.3180,
0.3612


■ 36.7020, 0.3259,
0.5619

■ 47.9066, 0.3138,
0.3355

■ 36.1120, 0.3215,
0.5776

■ 50.2570, 0.3097,
0.3124

 35.7642, 0.3179,
0.5858

 52.8439, 0.3056,
0.2918

 55.6740, 0.3017,
0.2735

 58.7535, 0.2979,
0.2574

 60.9092, 0.3065,
0.2584

Harmonies

Analogous

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



40.7251, 0.3918, 0.4476



40.7251, 0.3281, 0.4511



40.7251, 0.2637, 0.4080

Triad

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



40.7251, 0.3281, 0.4511



40.7251, 0.1990, 0.2355



40.7251, 0.4174, 0.3095

Complementary

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



40.7251, 0.3281, 0.4511



21.0822, 0.2871, 0.2160

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.



40.7251, 0.3548, 0.2652



40.7251, 0.3281, 0.4511



40.7251, 0.2302, 0.2235

Square

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



40.7251, 0.3281, 0.4511



40.7251, 0.1938, 0.2738



40.7251, 0.2852, 0.2347



40.7251, 0.4482, 0.3606

Rectangle

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



40.7251, 0.3281, 0.4511



40.7251, 0.2290, 0.3616



40.7251, 0.2852, 0.2347



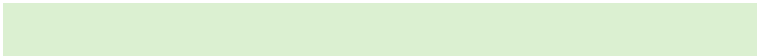
40.7251, 0.3990, 0.2936

Sweetspot

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



40.7269, 0.3281, 0.4511



81.8124, 0.3182, 0.3626



35.5899, 0.3902, 0.3999



17.4697, 0.3191, 0.3686



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.



40.7269, 0.3281, 0.4511



70.8302, 0.3297, 0.4800



39.0698, 0.2988, 0.4397



10.2052, 0.3166, 0.3523



24.3864, 0.3188, 0.5851



0.8947, 0.3404, 0.5679

Inverse Universe

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



21.0822, 0.2871, 0.2160



31.1011, 0.2796, 0.1916



23.6459, 0.3311, 0.2393



9.0050, 0.3085, 0.3061



5.2350, 0.2375, 0.1082



0.2173, 0.2596, 0.1204

Previews

White Background



This preview shows how the Yxy color 40.7251, 0.3281, 0.4511 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 40.7251, 0.3281, 0.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

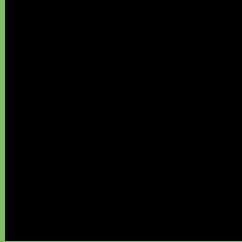
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7251, 0.3281, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 40.7251, 0.3281, 0.4511.



This preview shows how white text looks on a background with the Yxy color 40.7251, 0.3281, 0.4511.

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

40.7251, 0.3281, 0.4511

Protanopia

40.2538, 0.3893, 0.4211

Deuteranopia

40.3212, 0.4029, 0.3949



Tritanopia

40.4451, 0.2780, 0.3091

Trichromacy



Original Color

40.7251, 0.3281, 0.4511

Protanomaly

39.8547, 0.3652, 0.4317

Deuteranomaly

39.8137, 0.3742, 0.4148

Tritanomaly

40.4061, 0.2963, 0.3588

Monochromacy



Original Color

40.7251, 0.3281, 0.4511

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7534, 0.3198, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7251, 0.3281, 0.4511 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(133, 185, 106)` looks like.

```
.text, #text, p{  
    color:rgb(133, 185, 106)  
}
```

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(133, 185, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 185, 106) }
```

Border

The CSS property to change the border of an element to Yxy 40.7251, 0.3281, 0.4511 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(133, 185, 106) }
```

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

```
.border{ border-color:rgb(133, 185, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 185, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 185, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 185, 106);  
box-shadow:4px 4px 4px 4px rgb(133, 185,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7251, 0.3281, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 185, 106) }
```

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

```
.background{ background-color: rgb(133,  
185, 106) }
```

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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