

Converting Colors

$Yxy(40.5311, 0.3216, 0.4532)$

Have a look what the booklet for
Yxy(40.5311, 0.3216, 0.4532)
contains.

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Color

Yxy(40.6150, 0.3214, 0.4530)

Conversions

Conversions Part 1

Format	Color
Hex	7EBA6B
RGB	126, 186, 107
RGB Percent	49%, 73%, 42%
CMY	0.5059, 0.2706, 0.5804
CMYK	0.32, 0.00, 0.42, 0.27
HSL	106°, 36%, 57%
HSV	106°, 42%, 73%
XYZ	28.8160, 40.6150, 20.2268
YIQ	159.0540, -10.4010, -37.2890

Conversions

Conversions Part 2

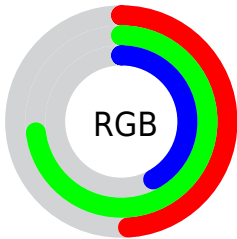
Format	Color
RYB	107, 186, 167
Decimal	8305259
CIELab	69.91, -34.39, 34.00
CIElCh	70, 48.355, 135.329
Yxy	40.6150, 0.3214, 0.4530
Android (android.graphics.Color)	4286495339 (0xFF7EBA6B)
YUV	159.0540, -25.6626, -28.9884
Hunter-Lab	63.7299, -30.8170, 25.7933

Details

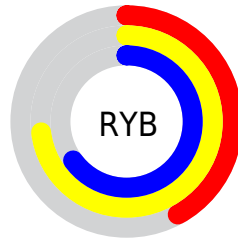
The Yxy color **40.6150, 0.3214, 0.4530** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **22.2734, 0.2961, 0.2194**, and the grayscale version is **34.8202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8312, 0.3218, 0.4276**, and **18.2245, 0.3189, 0.4941** is the 20% darker color. If you saturate the color by 10%, you get **39.2674, 0.3218, 0.4860**, and if you desaturate by 10%, it is **42.2019, 0.3201, 0.4204**.

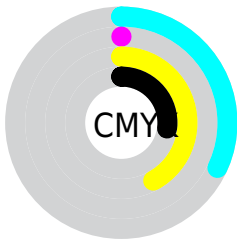
Distribution



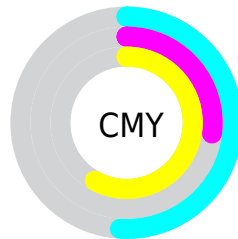
- Red (49%)
- Green (73%)
- Blue (42%)



- Red (42%)
- Yellow (73%)
- Blue (65%)



- Cyan (32%)
- Magenta (0%)
- Yellow (42%)
- Black (27%)





- Cyan (51%)
- Magenta (27%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6150, 0.3214, 0.4530 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 40.6150, 0.3214, 0.4530 by changing the saturation by 10% instead.


 40.6150, 0.3214,
0.4530

 40.6150, 0.3214,
0.4530


348.7089, 0.3194,
0.3862

 28.0184, 0.3209,
0.4711


 76.0991, 0.3214,
0.4277


 18.3395, 0.3195,
0.4950


 99.7554, 0.3211,
0.4185

 11.1940, 0.3162,
0.5279


 127.8670, 0.3208,
0.4108

 6.1975, 0.3084,
0.5753

 160.8183, 0.3205,
0.4044

 2.9655, 0.3074,
0.6873

198.9938, 0.3202,
0.3988

 1.1138, 0.1540,
0.8460

242.7778, 0.3199,

 0.0000, 0.0000,

0.3941

0.0000

292.5547, 0.3197,
0.3899

■ 40.6150, 0.3214,
0.4530

■ 40.6150, 0.3214,
0.4530

■ 39.2674, 0.3218,
0.4860

■ 42.2019, 0.3201,
0.4204

■ 38.1421, 0.3212,
0.5176

■ 44.0339, 0.3182,
0.3894

■ 37.2280, 0.3194,
0.5458

■ 46.1229, 0.3159,
0.3608

■ 36.5109, 0.3164,
0.5686

■ 48.4784, 0.3134,
0.3350

■ 35.9744, 0.3125,
0.5844


■ 51.1097, 0.3107,
0.3119

 35.6722, 0.3095,
0.5925

 54.0253, 0.3081,
0.2916

 57.2336, 0.3056,
0.2738

 60.6914, 0.3037,
0.2588

 63.2470, 0.3145,
0.2611

Harmonies

Analogous

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



40.6150, 0.3878, 0.4534



40.6150, 0.3214, 0.4530



40.6150, 0.2562, 0.4042

Triad

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



40.6150, 0.3214, 0.4530



40.6150, 0.1980, 0.2304



40.6150, 0.4257, 0.3137

Complementary

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



40.6150, 0.3214, 0.4530



22.2734, 0.2961, 0.2194

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.



40.6150, 0.3631, 0.2674



40.6150, 0.3214, 0.4530



40.6150, 0.2324, 0.2209

Square

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



40.6150, 0.3214, 0.4530



40.6150, 0.1899, 0.2667



40.6150, 0.2909, 0.2345



40.6150, 0.4531, 0.3663

Rectangle

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



40.6150, 0.3214, 0.4530



40.6150, 0.2222, 0.3550



40.6150, 0.2909, 0.2345



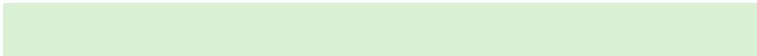
40.6150, 0.4077, 0.2972

Sweetspot

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



40.6167, 0.3214, 0.4530



83.3011, 0.3161, 0.3628



38.8648, 0.3854, 0.4094



18.1517, 0.3166, 0.3690



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.



40.6167, 0.3214, 0.4530



71.3135, 0.3218, 0.4839



39.7707, 0.2937, 0.4257



10.1616, 0.3151, 0.3524



24.0273, 0.3102, 0.5919



0.8764, 0.3295, 0.5766

Inverse Universe

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



22.2734, 0.2961, 0.2194



33.6245, 0.2909, 0.1959



23.7151, 0.3405, 0.2491



9.0510, 0.3100, 0.3062



6.2457, 0.2615, 0.1214



0.2468, 0.2776, 0.1303

Previews

White Background



This preview shows how the Yxy color 40.6150, 0.3214, 0.4530 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 40.6150, 0.3214, 0.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

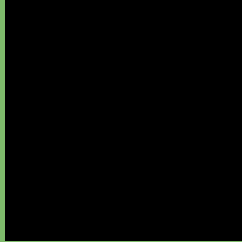
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6150, 0.3214, 0.4530

Background



This preview shows how black text looks on a background with the Yxy color 40.6150, 0.3214, 0.4530.



This preview shows how white text looks on a background with the Yxy color 40.6150, 0.3214, 0.4530.

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

40.6150, 0.3214, 0.4530

Protanopia

40.1281, 0.3883, 0.4215

Deuteranopia

40.2016, 0.4010, 0.3939



Tritanopia

40.3438, 0.2728, 0.3089

Trichromacy



Original Color

40.6150, 0.3214, 0.4530

Protanomaly

39.9225, 0.3618, 0.4340

Deuteranomaly

39.4817, 0.3703, 0.4144

Tritanomaly

40.3315, 0.2908, 0.3591

Monochromacy



Original Color

40.6150, 0.3214, 0.4530

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4724, 0.3170, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6150, 0.3214, 0.4530 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(126, 186, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 186, 107) }
```

Border

The CSS property to change the border of an element to Yxy 40.6150, 0.3214, 0.4530 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, 107) }
```

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

```
.border{ border-color:rgb(126, 186, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 186, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 186, 107);  
box-shadow:4px 4px 4px 4px rgb(126, 186,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6150, 0.3214, 0.4530 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, 107) }
```

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

```
.background{ background-color: rgb(126,  
186, 107) }
```

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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