

Converting Colors

$Y_{xy}(40.7132, 0.3380, 0.5153)$

Have a look what the booklet for
Yxy(40.7132, 0.3380, 0.5153)
contains.

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Color

Yxy(40.6401, 0.3379, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	76BD42
RGB	118, 189, 66
RGB Percent	46%, 74%, 26%
CMY	0.5371, 0.2588, 0.7413
CMYK	0.38, 0.00, 0.65, 0.26
HSL	95°, 48%, 50%
HSV	95°, 65%, 74%
XYZ	26.6543, 40.6401, 11.5878
YIQ	153.7490, -2.8330, -53.3050

Conversions

Conversions Part 2

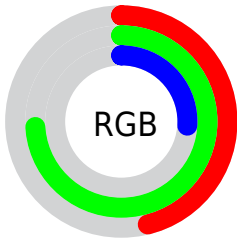
Format	Color
RYB	66, 189, 137
Decimal	7781698
CIELab	69.92, -43.08, 53.36
CIELCh	70, 68.585, 128.915
Yxy	40.6401, 0.3379, 0.5152
Android (android.graphics.Color)	4285971778 (0xFF76BD42)
YUV	153.7490, -43.2603, -31.3519
Hunter-Lab	63.7496, -36.9293, 33.8475

Details

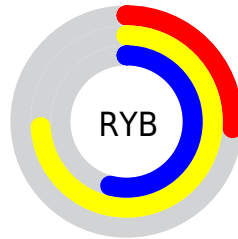
The Yxy color **40.6401, 0.3379, 0.5152** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.8794, 0.2558, 0.1537**, and the grayscale version is **32.3953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2421, 0.3373, 0.4785**, and **18.3521, 0.3330, 0.5738** is the 20% darker color. If you saturate the color by 10%, you get **39.7348, 0.3369, 0.5400**, and if you desaturate by 10%, it is **41.7108, 0.3370, 0.4868**.

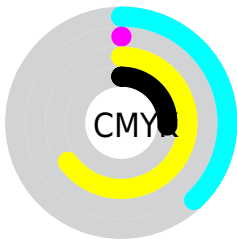
Distribution



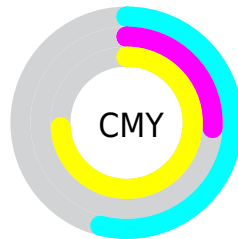
- Red (46%)
- Green (74%)
- Blue (26%)



- Red (26%)
- Yellow (74%)
- Blue (54%)



- Cyan (38%)
- Magenta (0%)
- Yellow (65%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6401, 0.3379, 0.5152 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 40.6401, 0.3379, 0.5152 by changing the saturation by 10% instead.


 40.6401, 0.3379,
0.5152


 40.6401, 0.3379,
0.5152

348.8142, 0.3313,
0.4155


 28.0380, 0.3366,
0.5409


 76.1373, 0.3375,
0.4780

 18.3543, 0.3330,
0.5737


 99.8011, 0.3367,
0.4642


 11.2046, 0.3243,
0.6160


 127.9209, 0.3358,
0.4527

 6.2047, 0.3128,
0.6872

 160.8812, 0.3348,
0.4430

 2.9699, 0.2633,
0.7367

 199.0662, 0.3339,
0.4346

 1.1160, 0.0000,
1.0000

242.8605, 0.3330,

 0.0000, 0.0000,

0.4274

0.0000

292.6483, 0.3322,
0.4211

■ 40.6401, 0.3379,
0.5152

■ 40.6401, 0.3379,
0.5152

■ 39.7348, 0.3369,
0.5400

■ 41.7108, 0.3370,
0.4868

■ 38.9790, 0.3339,
0.5597

■ 42.9510, 0.3345,
0.4565

■ 38.3621, 0.3292,
0.5735

■ 44.3711, 0.3307,
0.4258

■ 38.0998, 0.3267,
0.5788

■ 45.9788, 0.3261,
0.3958

■ 47.7816, 0.3209,
0.3676

■ 49.7864, 0.3155,
0.3414

■ 51.9998, 0.3101,
0.3176

■ 54.4279, 0.3047,
0.2962

■ 57.0768, 0.2996,
0.2771

Harmonies

Analogous

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



40.6401, 0.4259, 0.4890



40.6401, 0.3379, 0.5152



40.6401, 0.2481, 0.4612

Triad

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



40.6401, 0.3379, 0.5152



40.6401, 0.1555, 0.2012



40.6401, 0.4568, 0.2903

Complementary

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



40.6401, 0.3379, 0.5152



12.8794, 0.2558, 0.1537

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.



40.6401, 0.3598, 0.2346



40.6401, 0.3379, 0.5152



40.6401, 0.1914, 0.1850

Square

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



40.6401, 0.3379, 0.5152



40.6401, 0.1513, 0.2539



40.6401, 0.2612, 0.1975



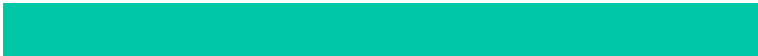
40.6401, 0.5062, 0.3557

Rectangle

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



40.6401, 0.3379, 0.5152



40.6401, 0.1997, 0.3884



40.6401, 0.2612, 0.1975



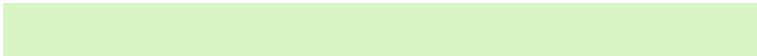
40.6401, 0.4276, 0.2703

Sweetspot

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



40.6419, 0.3379, 0.5152



83.8462, 0.3237, 0.3821



28.7315, 0.4484, 0.4192



17.8391, 0.3251, 0.3901



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.



40.6419, 0.3379, 0.5152



70.5714, 0.3359, 0.5489



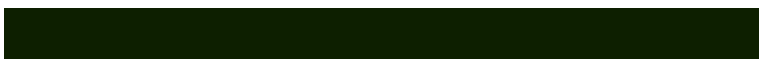
38.0490, 0.2993, 0.5252



10.8416, 0.3178, 0.3523



25.6777, 0.3276, 0.5781



1.0444, 0.3473, 0.5625

Inverse Universe

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



12.8794, 0.2558, 0.1537



17.0977, 0.2397, 0.1239



18.0391, 0.3299, 0.1904



9.4897, 0.3072, 0.3059



4.7062, 0.2192, 0.0981



0.2221, 0.2433, 0.1114

Previews

White Background



This preview shows how the Yxy color 40.6401, 0.3379, 0.5152 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 40.6401, 0.3379, 0.5152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

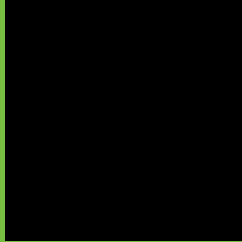
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6401, 0.3379, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 40.6401, 0.3379, 0.5152.



This preview shows how white text looks on a background with the Yxy color 40.6401, 0.3379, 0.5152.

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

40.6401, 0.3379, 0.5152

Protanopia

40.0335, 0.4204, 0.4617

Deuteranopia

40.1975, 0.4391, 0.4299



Tritanopia

40.5242, 0.2701, 0.3088

Trichromacy



Original Color

40.6401, 0.3379, 0.5152

Protanomaly

39.6957, 0.3879, 0.4823

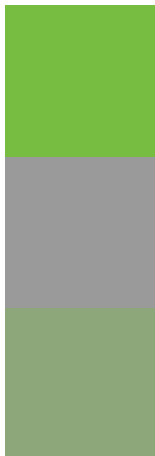
Deuteranomaly

39.3200, 0.3992, 0.4610

Tritanomaly

39.8689, 0.2972, 0.3832

Monochromacy



Original Color

40.6401, 0.3379, 0.5152

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.7053, 0.3268, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6401, 0.3379, 0.5152 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(118, 189, 66)` looks like.

```
.text, #text, p{  
    color:rgb(118, 189, 66)  
}
```

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(118, 189, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 189, 66) }
```

Border

The CSS property to change the border of an element to Yxy 40.6401, 0.3379, 0.5152 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(118, 189, 66) }
```

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

```
.border{ border-color:rgb(118, 189, 66) }
```

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

Here you see how a box with a 4 pixel rgb(118, 189, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 189, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 189, 66);  
box-shadow:4px 4px 4px 4px rgb(118, 189,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6401, 0.3379, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 189, 66) }
```

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

```
.background{ background-color: rgb(118,  
189, 66) }
```

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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