

Converting Colors

Yxy(40.5642, 0.3337, 0.5062)

Have a look what the booklet for
Yxy(40.5642, 0.3337, 0.5062)
contains.

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Color

Yxy(40.6715, 0.3331, 0.5061)

Conversions

Conversions Part 1

Format	Color
Hex	75BD4A
RGB	117, 189, 74
RGB Percent	46%, 74%, 29%
CMY	0.5412, 0.2588, 0.7097
CMYK	0.38, 0.00, 0.61, 0.26
HSL	98°, 47%, 52%
HSV	98°, 61%, 74%
XYZ	26.7688, 40.6715, 12.9223
YIQ	154.3620, -5.9970, -51.0290

Conversions

Conversions Part 2

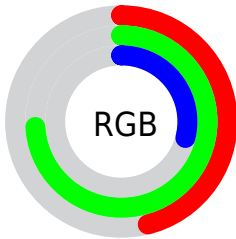
Format	Color
RYB	74, 189, 146
Decimal	7716170
CIELab	69.95, -42.71, 49.90
CIELCh	70, 65.679, 130.563
Yxy	40.6715, 0.3331, 0.5061
Android (android.graphics.Color)	4285906250 (0xFF75BD4A)
YUV	154.3620, -39.6185, -32.7665
Hunter-Lab	63.7742, -36.6808, 32.6283

Details

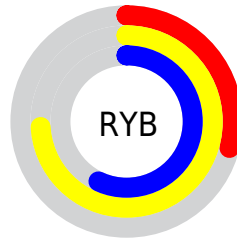
The Yxy color **40.6715, 0.3331, 0.5061** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.6911, 0.2672, 0.1671**, and the grayscale version is **32.6623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3281, 0.3328, 0.4703**, and **18.3637, 0.3280, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **39.6868, 0.3324, 0.5334**, and if you desaturate by 10%, it is **41.8400, 0.3321, 0.4759**.

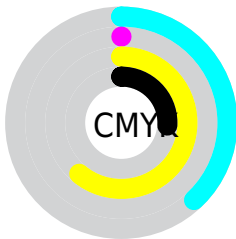
Distribution



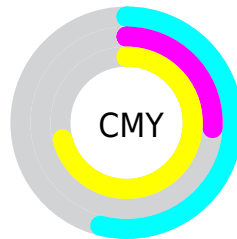
- Red (46%)
- Green (74%)
- Blue (29%)



- Red (29%)
- Yellow (74%)
- Blue (57%)



- Cyan (38%)
- Magenta (0%)
- Yellow (61%)
- Black (26%)





- Cyan (54%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6715, 0.3331, 0.5061 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 40.6715, 0.3331, 0.5061 by changing the saturation by 10% instead.


 40.6715, 0.3331,
0.5061


 40.6715, 0.3331,
0.5061


348.9458, 0.3282,
0.4109


 28.0625, 0.3318,
0.5311


 76.1850, 0.3330,
0.4704

 18.3728, 0.3284,
0.5632


 99.8582, 0.3324,
0.4572


 11.2179, 0.3206,
0.6053


 127.9883, 0.3317,
0.4463

 6.2136, 0.3103,
0.6765

 160.9597, 0.3310,
0.4370

 2.9754, 0.2654,
0.7346

 199.1568, 0.3302,
0.4290

 1.1189, 0.0034,
0.9966

242.9639, 0.3295,

 0.0000, 0.0000,

0.4222

0.0000

292.7654, 0.3288,
0.4162

■ 40.6715, 0.3331,
0.5061

■ 40.6715, 0.3331,
0.5061

■ 39.6868, 0.3324,
0.5334

■ 41.8400, 0.3321,
0.4759

■ 38.8696, 0.3299,
0.5560

■ 43.1969, 0.3298,
0.4446

■ 38.2092, 0.3258,
0.5727

■ 44.7529, 0.3264,
0.4135

■ 37.7227, 0.3211,
0.5832

■ 46.5166, 0.3223,
0.3838

■ 48.4957, 0.3178,
0.3562

■ 50.6978, 0.3131,
0.3310

■ 53.1299, 0.3085,
0.3083

■ 55.7987, 0.3039,
0.2880

■ 58.7108, 0.2996,
0.2700

Harmonies

Analogous

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



40.6715, 0.4186, 0.4863



40.6715, 0.3331, 0.5061



40.6715, 0.2469, 0.4497

Triad

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



40.6715, 0.3331, 0.5061



40.6715, 0.1617, 0.2042



40.6715, 0.4549, 0.2956

Complementary

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



40.6715, 0.3331, 0.5061



14.6911, 0.2672, 0.1671

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.



40.6715, 0.3636, 0.2406



40.6715, 0.3331, 0.5061



40.6715, 0.1986, 0.1898

Square

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



40.6715, 0.3331, 0.5061



40.6715, 0.1562, 0.2536



40.6715, 0.2680, 0.2033



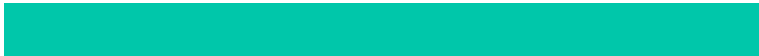
40.6715, 0.4993, 0.3596

Rectangle

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



40.6715, 0.3331, 0.5061



40.6715, 0.2011, 0.3799



40.6715, 0.2680, 0.2033



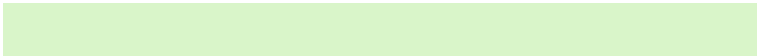
40.6715, 0.4278, 0.2758

Sweetspot

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



40.6733, 0.3331, 0.5061



84.1707, 0.3211, 0.3766



31.5440, 0.4326, 0.4220



17.8879, 0.3224, 0.3849



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.



40.6733, 0.3331, 0.5061



70.5536, 0.3318, 0.5415



38.5500, 0.2969, 0.5028



10.8186, 0.3171, 0.3523



25.4197, 0.3220, 0.5825



1.0333, 0.3419, 0.5667

Inverse Universe

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



14.6911, 0.2672, 0.1671



19.9572, 0.2538, 0.1378



18.8392, 0.3361, 0.2027



9.5133, 0.3080, 0.3060



5.1266, 0.2301, 0.1041



0.2370, 0.2521, 0.1163

Previews

White Background



This preview shows how the Yxy color 40.6715, 0.3331, 0.5061 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 40.6715, 0.3331, 0.5061 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 40.6715, 0.3331, 0.5061

Background



This preview shows how black text looks on a background with the Yxy color 40.6715, 0.3331, 0.5061.



This preview shows how white text looks on a background with the Yxy color 40.6715, 0.3331, 0.5061.

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

40.6715, 0.3331, 0.5061

Protanopia

39.9979, 0.4147, 0.4552

Deuteranopia

40.1515, 0.4330, 0.4238



Tritanopia

40.4401, 0.2694, 0.3088

Trichromacy



Original Color

40.6715, 0.3331, 0.5061

Protanomaly

39.6857, 0.3824, 0.4748

Deuteranomaly

39.2997, 0.3936, 0.4540

Tritanomaly

39.8530, 0.2949, 0.3801

Monochromacy



Original Color

40.6715, 0.3331, 0.5061

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.7808, 0.3243, 0.3957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6715, 0.3331, 0.5061 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(117, 189, 74)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 74)  
}
```

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(117, 189, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 74) }
```

Border

The CSS property to change the border of an element to Yxy 40.6715, 0.3331, 0.5061 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(117, 189, 74) }
```

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

```
.border{ border-color:rgb(117, 189, 74) }
```

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

Here you see how a box with a 4 pixel rgb(117, 189, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 74);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6715, 0.3331, 0.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 74) }
```

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

```
.background{ background-color: rgb(117,  
189, 74) }
```

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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