

Converting Colors

$Yxy(40.4155, 0.3365, 0.4911)$

Have a look what the booklet for
Yxy(40.4155, 0.3365, 0.4911)
contains.

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Color

Yxy(40.4947, 0.3365, 0.4918)

Conversions

Conversions Part 1

Format	Color
Hex	7DBB51
RGB	125, 187, 81
RGB Percent	49%, 73%, 32%
CMY	0.5100, 0.2666, 0.6824
CMYK	0.33, 0.00, 0.57, 0.27
HSL	95°, 44%, 53%
HSV	95°, 57%, 73%
XYZ	27.7073, 40.4947, 14.1377
YIQ	156.3780, -2.9260, -46.1100

Conversions

Conversions Part 2

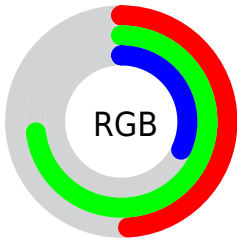
Format	Color
RYB	81, 187, 143
Decimal	8239953
CIELab	69.82, -38.39, 46.69
CIELCh	70, 60.445, 129.425
Yxy	40.4947, 0.3365, 0.4918
Android (android.graphics.Color)	4286430033 (0xFF7DBB51)
YUV	156.3780, -37.1614, -27.5185
Hunter-Lab	63.6354, -33.6418, 31.3725

Details

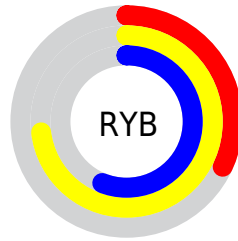
The Yxy color **40.4947, 0.3365, 0.4918** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.3157, 0.2663, 0.1754**, and the grayscale version is **33.5897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2186, 0.3355, 0.4596**, and **18.1985, 0.3350, 0.5446** is the 20% darker color. If you saturate the color by 10%, you get **39.4749, 0.3370, 0.5199**, and if you desaturate by 10%, it is **41.6861, 0.3343, 0.4616**.

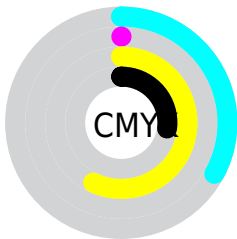
Distribution



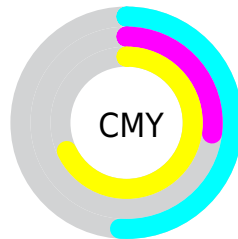
- Red (49%)
- Green (73%)
- Blue (32%)



- Red (32%)
- Yellow (73%)
- Blue (56%)



- Cyan (33%)
- Magenta (0%)
- Yellow (57%)
- Black (27%)



- Cyan (51%)
- Magenta (27%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4947, 0.3365, 0.4918 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 40.4947, 0.3365, 0.4918 by changing the saturation by 10% instead.

 40.4947, 0.3365,
0.4918


 40.4947, 0.3365,
0.4918


348.2043, 0.3289,
0.4045

 27.9245, 0.3363,
0.5148


 75.9162, 0.3351,
0.4590


 18.2687, 0.3346,
0.5445


 99.5363, 0.3342,
0.4470

 11.1431, 0.3294,
0.5838


 127.6085, 0.3332,
0.4369

 6.1632, 0.3205,
0.6449

 160.5171, 0.3322,
0.4284

 2.9445, 0.2873,
0.7127

 198.6466, 0.3313,
0.4211

 1.1029, 0.0803,
0.9197

242.3814, 0.3305,

 0.0000, 0.0000,

0.4148

0.0000

292.1058, 0.3297,
0.4093

■ 40.4947, 0.3365,
0.4918

■ 40.4947, 0.3365,
0.4918

■ 39.4749, 0.3370,
0.5199

■ 41.6861, 0.3343,
0.4616

■ 38.6120, 0.3356,
0.5440

■ 43.0523, 0.3309,
0.4307

■ 37.8969, 0.3323,
0.5630

■ 44.6030, 0.3265,
0.4006

■ 37.3164, 0.3274,
0.5759

■ 46.3457, 0.3215,
0.3719

■ 37.1467, 0.3257,
0.5796

■ 48.2872, 0.3163,
0.3454

■ 50.4340, 0.3110,
0.3213

■ 52.7925, 0.3057,
0.2995

■ 55.3685, 0.3007,
0.2801

■ 58.1677, 0.2960,
0.2628

Harmonies

Analogous

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



40.4947, 0.4157, 0.4744



40.4947, 0.3365, 0.4918



40.4947, 0.2554, 0.4422

Triad

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



40.4947, 0.3365, 0.4918



40.4947, 0.1703, 0.2140



40.4947, 0.4412, 0.2965

Complementary

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



40.4947, 0.3365, 0.4918



15.3157, 0.2663, 0.1754

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.



40.4947, 0.3566, 0.2448



40.4947, 0.3365, 0.4918



40.4947, 0.2043, 0.1986

Square

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



40.4947, 0.3365, 0.4918



40.4947, 0.1665, 0.2625



40.4947, 0.2687, 0.2102



40.4947, 0.4849, 0.3571

Rectangle

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



40.4947, 0.3365, 0.4918



40.4947, 0.2115, 0.3799



40.4947, 0.2687, 0.2102



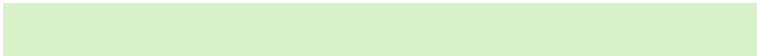
40.4947, 0.4159, 0.2779

Sweetspot

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



40.4965, 0.3365, 0.4918



82.8010, 0.3218, 0.3736



30.7562, 0.4261, 0.4124



18.0904, 0.3228, 0.3792



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.



40.4965, 0.3365, 0.4918



70.2914, 0.3369, 0.5261



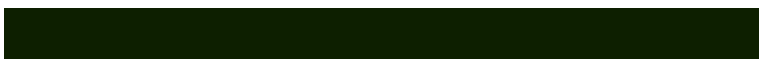
38.0302, 0.2995, 0.4952



10.8376, 0.3177, 0.3523



25.6307, 0.3266, 0.5789



1.0424, 0.3463, 0.5632

Inverse Universe

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



15.3157, 0.2663, 0.1754



20.7990, 0.2526, 0.1451



19.6712, 0.3297, 0.2060



9.4938, 0.3073, 0.3059



4.7755, 0.2210, 0.0991



0.2246, 0.2448, 0.1122

Previews

White Background



This preview shows how the Yxy color 40.4947, 0.3365, 0.4918 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 40.4947, 0.3365, 0.4918 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 40.4947, 0.3365, 0.4918

Background



This preview shows how black text looks on a background with the Yxy color 40.4947, 0.3365, 0.4918.



This preview shows how white text looks on a background with the Yxy color 40.4947, 0.3365, 0.4918.

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

40.4947, 0.3365, 0.4918

Protanopia

40.0901, 0.4101, 0.4484

Deuteranopia

39.9551, 0.4263, 0.4186



Tritanopia

40.4311, 0.2736, 0.3089

Trichromacy



Original Color

40.4947, 0.3365, 0.4918

Protanomaly

39.7077, 0.3817, 0.4645

Deuteranomaly

39.2467, 0.3921, 0.4452

Tritanomaly

39.9954, 0.2982, 0.3748

Monochromacy



Original Color

40.4947, 0.3365, 0.4918

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.2422, 0.3247, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4947, 0.3365, 0.4918 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(125, 187, 81)` looks like.

```
.text, #text, p{  
    color:rgb(125, 187, 81)  
}
```

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(125, 187, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 187, 81) }
```

Border

The CSS property to change the border of an element to Yxy 40.4947, 0.3365, 0.4918 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(125, 187, 81) }
```

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

```
.border{ border-color:rgb(125, 187, 81) }
```

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

Here you see how a box with a 4 pixel rgb(125, 187, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 187, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 187, 81);  
box-shadow:4px 4px 4px 4px rgb(125, 187,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4947, 0.3365, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 187, 81) }
```

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

```
.background{ background-color: rgb(125,  
187, 81) }
```

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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