

Converting Colors

$Y_{xy}(39.7743, 0.3562, 0.4718)$

Have a look what the booklet for
Yxy(39.7743, 0.3562, 0.4718)
contains.

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Color

Yxy(39.7988, 0.3558, 0.4723)

Conversions

Conversions Part 1

Format	Color
Hex	92B554
RGB	146, 181, 84
RGB Percent	57%, 71%, 33%
CMY	0.4273, 0.2902, 0.6707
CMYK	0.19, 0.00, 0.54, 0.29
HSL	82°, 40%, 52%
HSV	82°, 54%, 71%
XYZ	29.9818, 39.7988, 14.4853
YIQ	159.4770, 10.2770, -37.5870

Conversions

Conversions Part 2

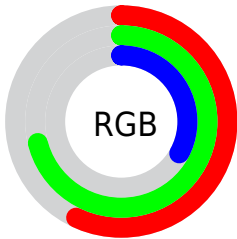
Format	Color
RYB	84, 181, 119
Decimal	9614676
CIELab	69.33, -27.42, 45.02
CIELCh	69, 52.709, 121.347
Yxy	39.7988, 0.3558, 0.4723
Android (android.graphics.Color)	4287804756 (0xFF92B554)
YUV	159.4770, -37.2102, -11.8193
Hunter-Lab	63.0863, -25.5687, 30.5468

Details

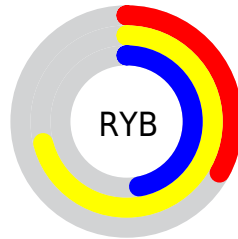
The Yxy color **39.7988, 0.3558, 0.4723** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **13.5925, 0.2449, 0.1742**, and the grayscale version is **35.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9025, 0.3504, 0.4442**, and **17.8753, 0.3614, 0.5164** is the 20% darker color. If you saturate the color by 10%, you get **38.9716, 0.3603, 0.4972**, and if you desaturate by 10%, it is **40.7369, 0.3496, 0.4453**.

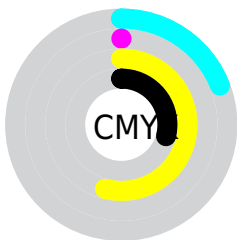
Distribution



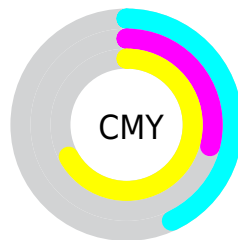
- Red (57%)
- Green (71%)
- Blue (33%)



- Red (33%)
- Yellow (71%)
- Blue (47%)



- Cyan (19%)
- Magenta (0%)
- Yellow (54%)
- Black (29%)



- Cyan (43%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7988, 0.3558, 0.4723 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 39.7988, 0.3558, 0.4723 by changing the saturation by 10% instead.

 39.7988, 0.3558,
0.4723


 39.7988, 0.3558,
0.4723


345.2748, 0.3373,
0.3965


 27.3817, 0.3588,
0.4918

 74.8570, 0.3502,
0.4441

 17.8601, 0.3613,
0.5169


 98.2670, 0.3477,
0.4337

 10.8496, 0.3622,
0.5497


 126.1100, 0.3455,
0.4250

 5.9658, 0.3618,
0.5992

 158.7704, 0.3435,
0.4175

 2.8243, 0.3438,
0.6562

 196.6328, 0.3417,
0.4112

 1.0407, 0.2306,
0.7694

240.0813, 0.3401,

 0.0000, 0.0000,

0.4056

0.0000

289.5006, 0.3386,
0.4008

■ 39.7988, 0.3558,
0.4723

■ 39.7988, 0.3558,
0.4723

■ 38.9716, 0.3603,
0.4972

■ 40.7369, 0.3496,
0.4453

■ 38.2438, 0.3625,
0.5188

■ 41.7863, 0.3420,
0.4174

■ 37.6097, 0.3624,
0.5360

■ 42.9541, 0.3336,
0.3897

■ 37.0610, 0.3599,
0.5483

■ 44.2450, 0.3248,
0.3629

■ 36.7436, 0.3575,
0.5544

■ 45.6636, 0.3159,
0.3377

■ 47.2142, 0.3072,
0.3142

■ 48.9009, 0.2988,
0.2928

■ 50.7274, 0.2908,
0.2733

■ 52.6975, 0.2834,
0.2557

Harmonies

Analogous

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



39.7988, 0.4222, 0.4487



39.7988, 0.3558, 0.4723



39.7988, 0.2818, 0.4437

Triad

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



39.7988, 0.3558, 0.4723



39.7988, 0.1810, 0.2358



39.7988, 0.4079, 0.2872

Complementary

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



39.7988, 0.3558, 0.4723



13.5925, 0.2449, 0.1742

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.



39.7988, 0.3301, 0.2434



39.7988, 0.3558, 0.4723



39.7988, 0.2048, 0.2133

Square

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



39.7988, 0.3558, 0.4723



39.7988, 0.1856, 0.2890



39.7988, 0.2561, 0.2172



39.7988, 0.4586, 0.3413

Rectangle

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



39.7988, 0.3558, 0.4723



39.7988, 0.2382, 0.3963



39.7988, 0.2561, 0.2172



39.7988, 0.3834, 0.2711

Sweetspot

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



39.8006, 0.3558, 0.4723



78.6054, 0.3272, 0.3699



23.4057, 0.4375, 0.3775



16.8873, 0.3289, 0.3753



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8006, 0.3558, 0.4723



69.5968, 0.3607, 0.5006



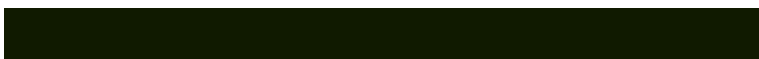
36.3132, 0.3150, 0.4927



9.7505, 0.3210, 0.3519



25.3712, 0.3582, 0.5538



0.8297, 0.3757, 0.5399

Inverse Universe

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



13.5925, 0.2449, 0.1742



17.8388, 0.2265, 0.1407



17.8294, 0.3007, 0.1962



8.3742, 0.3039, 0.3059



3.1162, 0.1797, 0.0764



0.1317, 0.2136, 0.0950

Previews

White Background



This preview shows how the Yxy color 39.7988, 0.3558, 0.4723 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 39.7988, 0.3558, 0.4723 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 39.7988, 0.3558, 0.4723

Background



This preview shows how black text looks on a background with the Yxy color 39.7988, 0.3558, 0.4723.



This preview shows how white text looks on a background with the Yxy color 39.7988, 0.3558, 0.4723.

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

39.7988, 0.3558, 0.4723

Protanopia

39.5199, 0.4061, 0.4442

Deuteranopia

39.4764, 0.4253, 0.4168



Tritanopia

39.5811, 0.2918, 0.3094

Trichromacy



Original Color

39.7988, 0.3558, 0.4723

Protanomaly

39.2519, 0.3875, 0.4549

Deuteranomaly

39.0077, 0.3997, 0.4363

Tritanomaly

39.2802, 0.3162, 0.3674

Monochromacy



Original Color

39.7988, 0.3558, 0.4723

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1734, 0.3308, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7988, 0.3558, 0.4723 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(146, 181, 84)` looks like.

```
.text, #text, p{  
    color:rgb(146, 181, 84)  
}
```

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(146, 181, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 181, 84) }
```

Border

The CSS property to change the border of an element to Yxy 39.7988, 0.3558, 0.4723 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(146, 181, 84) }
```

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

```
.border{ border-color:rgb(146, 181, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 181, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 181, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 181, 84);  
box-shadow:4px 4px 4px 4px rgb(146, 181,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7988, 0.3558, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 181, 84) }
```

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

```
.background{ background-color: rgb(146,  
181, 84) }
```

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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