

Converting Colors

$Yxy(39.1219, 0.3581, 0.4798)$

Have a look what the booklet for
Yxy(39.1219, 0.3581, 0.4798)
contains.

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Color

Yxy(39.1219, 0.3581, 0.4798)

Conversions

Conversions Part 1

Format	Color
Hex	90B44E
RGB	144, 180, 78
RGB Percent	56%, 71%, 31%
CMY	0.4353, 0.2941, 0.6942
CMYK	0.20, 0.00, 0.57, 0.29
HSL	81°, 40%, 51%
HSV	81°, 57%, 71%
XYZ	29.1987, 39.1219, 13.2173
YIQ	157.6080, 11.2860, -39.3540

Conversions

Conversions Part 2

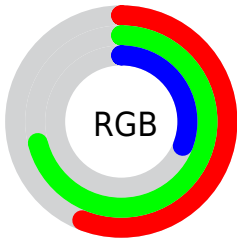
Format	Color
R_{YB}	78, 180, 114
Decimal	9483342
CIE _{Lab}	68.84, -28.31, 47.25
CIE _{LCh}	69, 55.081, 120.932
Yxy	39.1219, 0.3581, 0.4798
Android (android.graphics.Color)	4287673422 (0xFF90B44E)
YUV	157.6080, -39.2467, -11.9342
Hunter-Lab	62.5475, -26.1299, 31.2543

Details

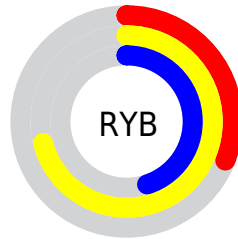
The Yxy color **39.1219, 0.3581, 0.4798** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.3187, 0.2392, 0.1646**, and the grayscale version is **34.1833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8820, 0.3526, 0.4503**, and **17.4731, 0.3637, 0.5262** is the 20% darker color. If you saturate the color by 10%, you get **38.3439, 0.3620, 0.5037**, and if you desaturate by 10%, it is **40.0062, 0.3522, 0.4534**.

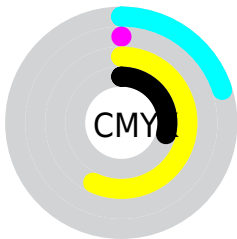
Distribution



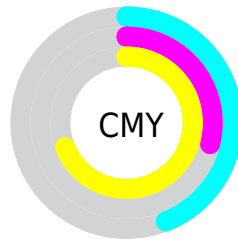
- Red (56%)
- Green (71%)
- Blue (31%)



- Red (31%)
- Yellow (71%)
- Blue (45%)



- Cyan (20%)
- Magenta (0%)
- Yellow (57%)
- Black (29%)





- Cyan (44%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1219, 0.3581, 0.4798 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 39.1219, 0.3581, 0.4798 by changing the saturation by 10% instead.


 39.1219, 0.3581,
0.4798


 39.1219, 0.3581,
0.4798


342.4085, 0.3389,
0.4000

 26.8546, 0.3610,
0.5003


 73.8245, 0.3524,
0.4501


 17.4640, 0.3632,
0.5265


 97.0286, 0.3498,
0.4392


 10.5659, 0.3632,
0.5604


 124.6470, 0.3475,
0.4299

 5.7757, 0.3646,
0.6169

 157.0642, 0.3454,
0.4221

 2.7092, 0.3368,
0.6632

 194.6645, 0.3435,
0.4154

 0.9819, 0.1957,
0.8043

237.8324, 0.3418,

 0.0000, 0.0000,

0.4096

0.0000

286.9523, 0.3403,
0.4045

■ 39.1219, 0.3581,
0.4798

■ 39.1219, 0.3581,
0.4798

■ 38.3439, 0.3620,
0.5037

■ 40.0062, 0.3522,
0.4534

■ 37.6606, 0.3637,
0.5239

■ 40.9974, 0.3449,
0.4258

■ 37.0662, 0.3630,
0.5395

■ 42.1024, 0.3366,
0.3980

■ 36.5508, 0.3599,
0.5502

■ 43.3261, 0.3277,
0.3709

■ 36.3905, 0.3587,
0.5534

■ 44.6731, 0.3187,
0.3452

■ 46.1475, 0.3098,
0.3212

■ 47.7535, 0.3012,
0.2991

■ 49.4949, 0.2930,
0.2790

■ 51.3753, 0.2853,
0.2609

Harmonies

Analogous

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



39.1219, 0.4274, 0.4530



39.1219, 0.3581, 0.4798



39.1219, 0.2808, 0.4512

Triad

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



39.1219, 0.3581, 0.4798



39.1219, 0.1754, 0.2318



39.1219, 0.4117, 0.2844

Complementary

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



39.1219, 0.3581, 0.4798



12.3187, 0.2392, 0.1646

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.



39.1219, 0.3295, 0.2392



39.1219, 0.3581, 0.4798



39.1219, 0.1996, 0.2084

Square

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



39.1219, 0.3581, 0.4798



39.1219, 0.1804, 0.2874



39.1219, 0.2524, 0.2123



39.1219, 0.4656, 0.3402

Rectangle

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



39.1219, 0.3581, 0.4798



39.1219, 0.2352, 0.4012



39.1219, 0.2524, 0.2123



39.1219, 0.3857, 0.2677

Sweetspot

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



39.1236, 0.3581, 0.4798



78.4135, 0.3283, 0.3726



22.2191, 0.4474, 0.3797



16.8505, 0.3300, 0.3778



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.



39.1236, 0.3581, 0.4798



69.1989, 0.3627, 0.5091



35.5359, 0.3147, 0.5029



9.7537, 0.3211, 0.3519



25.4360, 0.3594, 0.5528



0.8315, 0.3766, 0.5392

Inverse Universe

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



12.3187, 0.2392, 0.1646



15.8710, 0.2190, 0.1294



16.7098, 0.2997, 0.1896



8.3711, 0.3038, 0.3058



3.0837, 0.1786, 0.0758



0.1304, 0.2124, 0.0944

Previews

White Background



This preview shows how the Yxy color 39.1219, 0.3581, 0.4798 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 39.1219, 0.3581, 0.4798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

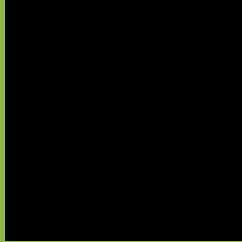
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1219, 0.3581, 0.4798

Background



This preview shows how black text looks on a background with the Yxy color 39.1219, 0.3581, 0.4798.



This preview shows how white text looks on a background with the Yxy color 39.1219, 0.3581, 0.4798.

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

39.1219, 0.3581, 0.4798

Protanopia

38.9388, 0.4100, 0.4499

Deuteranopia

38.9035, 0.4291, 0.4213



Tritanopia

38.9214, 0.2916, 0.3106

Trichromacy



Original Color

39.1219, 0.3581, 0.4798

Protanomaly

38.6710, 0.3912, 0.4610

Deuteranomaly

38.3139, 0.4021, 0.4418

Tritanomaly

38.5762, 0.3178, 0.3724

Monochromacy



Original Color

39.1219, 0.3581, 0.4798

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6297, 0.3327, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1219, 0.3581, 0.4798 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(144, 180, 78)` looks like.

```
.text, #text, p{  
    color:rgb(144, 180, 78)  
}
```

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(144, 180, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 180, 78) }
```

Border

The CSS property to change the border of an element to Yxy 39.1219, 0.3581, 0.4798 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(144, 180, 78) }
```

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

```
.border{ border-color:rgb(144, 180, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 180, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 180, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 180, 78);  
box-shadow:4px 4px 4px 4px rgb(144, 180,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1219, 0.3581, 0.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 180, 78) }
```

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

```
.background{ background-color: rgb(144,  
180, 78) }
```

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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