

Converting Colors

$Y_{xy}(39.6121, 0.4161, 0.4551)$

Have a look what the booklet for
Yxy(39.6121, 0.4161, 0.4551)
contains.

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Color

Yxy(39.6121, 0.4161, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	BDA944
RGB	189, 169, 68
RGB Percent	74%, 66%, 27%
CMY	0.2588, 0.3372, 0.7332
CMYK	0.00, 0.11, 0.64, 0.26
HSL	50°, 48%, 50%
HSV	50°, 64%, 74%
XYZ	36.2175, 39.6121, 11.2108
YIQ	163.4660, 44.3410, -27.1710

Conversions

Conversions Part 2

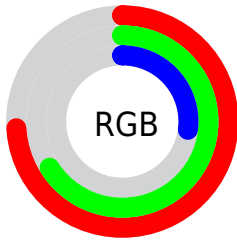
Format	Color
R _Y B	92, 189, 68
Decimal	12429636
CIE Lab	69.19, -4.72, 53.14
CIE LCh	69, 53.353, 95.073
Yxy	39.6121, 0.4161, 0.4551
Android (android.graphics.Color)	4290619716 (0xFFBDA944)
YUV	163.4660, -47.0647, 22.3933
Hunter-Lab	62.9381, -7.4246, 33.4957

Details

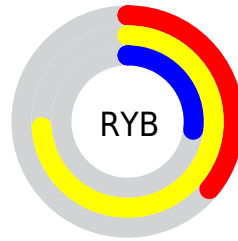
The Yxy color **39.6121, 0.4161, 0.4551** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.8873, 0.1967, 0.1552**, and the grayscale version is **37.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6238, 0.3999, 0.4340**, and **17.7288, 0.4389, 0.4838** is the 20% darker color. If you saturate the color by 10%, you get **38.2708, 0.4294, 0.4674**, and if you desaturate by 10%, it is **41.0593, 0.4009, 0.4392**.

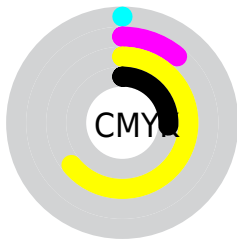
Distribution



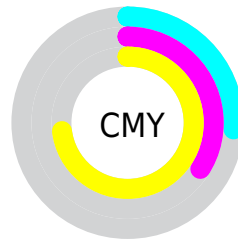
- Red (74%)
- Green (66%)
- Blue (27%)



- Red (36%)
- Yellow (74%)
- Blue (27%)



- Cyan (0%)
- Magenta (11%)
- Yellow (64%)
- Black (26%)





- Cyan (26%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6121, 0.4161, 0.4551 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 39.6121, 0.4161, 0.4551 by changing the saturation by 10% instead.


 39.6121, 0.4161,
0.4551

 39.6121, 0.4161,
0.4551


344.4859, 0.3669,
0.3934

 27.2362, 0.4264,
0.4688


 74.5725, 0.3995,
0.4337

 17.7507, 0.4379,
0.4847


 97.9258, 0.3928,
0.4253


 10.7712, 0.4500,
0.5028


 125.7070, 0.3870,
0.4180

 5.9132, 0.4690,
0.5310

 158.3005, 0.3819,
0.4118

 2.7924, 0.4637,
0.5363

 196.0908, 0.3775,
0.4063

 1.0243, 0.4541,
0.5459

239.4622, 0.3736,

 0.0000, 0.0000,

0.4015

0.0000

288.7991, 0.3701,
0.3972

■ 39.6121, 0.4161,
0.4551

■ 39.6121, 0.4161,
0.4551

■ 38.2708, 0.4294,
0.4674

■ 41.0593, 0.4009,
0.4392

■ 37.0221, 0.4401,
0.4754

■ 42.6135, 0.3844,
0.4205

■ 35.8587, 0.4480,
0.4788

■ 44.2823, 0.3675,
0.4002

■ 35.1910, 0.4519,
0.4794

■ 46.0714, 0.3505,
0.3790

■ 47.9856, 0.3342,
0.3577

■ 50.0296, 0.3186,
0.3370

■ 52.2079, 0.3042,
0.3173

■ 54.5245, 0.2909,
0.2987

■ 56.9834, 0.2788,
0.2815

Harmonies

Analogous

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



39.6121, 0.4610, 0.4058



39.6121, 0.4161, 0.4551



39.6121, 0.3469, 0.4740

Triad

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



39.6121, 0.4161, 0.4551



39.6121, 0.1820, 0.2799



39.6121, 0.3404, 0.2471

Complementary

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



39.6121, 0.4161, 0.4551



11.8873, 0.1967, 0.1552

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.



39.6121, 0.2636, 0.2180



39.6121, 0.4161, 0.4551



39.6121, 0.1810, 0.2302

Square

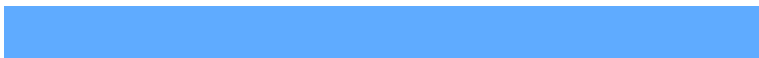
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.6121, 0.4161, 0.4551



39.6121, 0.2130, 0.3582



39.6121, 0.2085, 0.2111



39.6121, 0.4177, 0.2930

Rectangle

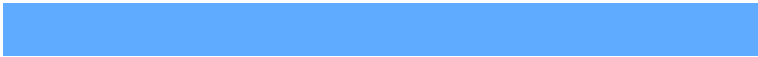
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.6121, 0.4161, 0.4551



39.6121, 0.2966, 0.4565



39.6121, 0.2085, 0.2111



39.6121, 0.3134, 0.2352

Sweetspot

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



39.6140, 0.4161, 0.4551



84.1013, 0.3428, 0.3690



15.6643, 0.4822, 0.3043



17.8770, 0.3475, 0.3750



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.



39.6140, 0.4161, 0.4551



67.5814, 0.4342, 0.4713



43.1698, 0.3634, 0.4968



10.8448, 0.3268, 0.3480



23.7746, 0.4514, 0.4798



1.0038, 0.4425, 0.4868

Inverse Universe

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



11.8873, 0.1967, 0.1552



14.3200, 0.1741, 0.1157



11.0226, 0.2245, 0.1416



9.4733, 0.2984, 0.3093



3.2165, 0.1544, 0.0758



0.2066, 0.1653, 0.1150

Previews

White Background



This preview shows how the Yxy color 39.6121, 0.4161, 0.4551 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 39.6121, 0.4161, 0.4551 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 39.6121, 0.4161, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 39.6121, 0.4161, 0.4551.



This preview shows how white text looks on a background with the Yxy color 39.6121, 0.4161, 0.4551.

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

39.6121, 0.4161, 0.4551

Protanopia

39.4847, 0.4151, 0.4557

Deuteranopia

39.6336, 0.4424, 0.4337



Tritanopia

39.3998, 0.3398, 0.3124

Trichromacy



Original Color

39.6121, 0.4161, 0.4551

Protanomaly

39.4847, 0.4151, 0.4557

Deuteranomaly

39.5371, 0.4326, 0.4419

Tritanomaly

39.1640, 0.3716, 0.3663

Monochromacy



Original Color

39.6121, 0.4161, 0.4551

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.2394, 0.3528, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6121, 0.4161, 0.4551 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(189, 169, 68)` looks like.

```
.text, #text, p{  
    color:rgb(189, 169, 68)  
}
```

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(189, 169, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 169, 68) }
```

Border

The CSS property to change the border of an element to Yxy 39.6121, 0.4161, 0.4551 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(189, 169, 68) }
```

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

```
.border{ border-color:rgb(189, 169, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 169, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 169, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 169, 68);  
box-shadow:4px 4px 4px 4px rgb(189, 169,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6121, 0.4161, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 169, 68) }
```

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

```
.background{ background-color: rgb(189,  
169, 68) }
```

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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