

Converting Colors

$Y_{xy}(41.1991, 0.4164, 0.5075)$

Have a look what the booklet for
Yxy(41.1991, 0.4164, 0.5075)
contains.

Yxy(40.9547, 0.4164, 0.5076)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.9547, 0.4164, 0.5076)

Conversions

Conversions Part 1

Format	Color
Hex	AFB200
RGB	175, 178, 0
RGB Percent	69%, 70%, 0%
CMY	0.3138, 0.3019, 1.0000
CMYK	0.02, 0.00, 1.00, 0.30
HSL	61°, 100%, 35%
HSV	61°, 100%, 70%
XYZ	33.5964, 40.9547, 6.1319
YIQ	156.8110, 55.3500, -55.9940

Conversions

Conversions Part 2

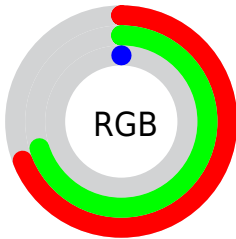
Format	Color
RYB	0, 178, 3
Decimal	11514368
CIELab	70.14, -17.78, 71.86
CIELCh	70, 74.031, 103.900
Yxy	40.9547, 0.4164, 0.5076
Android (android.graphics.Color)	4289704448 (0xFFAFB200)
YUV	156.8110, -77.3078, 15.9518
Hunter-Lab	63.9959, -18.2842, 39.1161

Details

The Yxy color **40.9547, 0.4164, 0.5076** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.2343, 0.1506, 0.0603**, and the grayscale version is **33.9633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3348, 0.4042, 0.4784**, and **18.7733, 0.4086, 0.5137** is the 20% darker color. If you saturate the color by 10%, you get **40.9568, 0.4164, 0.5076**, and if you desaturate by 10%, it is **41.0348, 0.4143, 0.5034**.

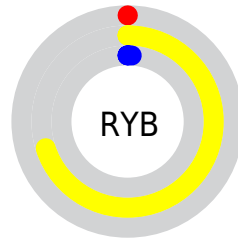
Distribution



Red (69%)

Green (70%)

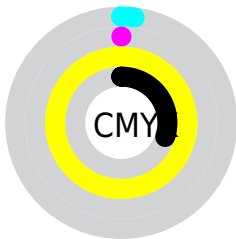
Blue (0%)



Red (0%)

Yellow (70%)

Blue (1%)

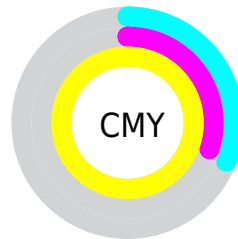


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (31%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9547, 0.4164, 0.5076 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 40.9547, 0.4164, 0.5076 by changing the saturation by 10% instead.


 40.9547, 0.4164,
0.5076


 40.9547, 0.4164,
0.5076


350.1313, 0.3736,
0.4220


 28.2837, 0.4221,
0.5249


 76.6151, 0.4042,
0.4790

 18.5396, 0.4261,
0.5439


 100.3733, 0.3985,
0.4674


 11.3381, 0.4305,
0.5695


 128.5960, 0.3933,
0.4572

 6.2947, 0.4178,
0.5822

 161.6677, 0.3886,
0.4484

 3.0251, 0.3978,
0.6022

 199.9726, 0.3843,
0.4406

 1.1449, 0.3561,
0.6439

 243.8953, 0.3803,

 0.0160, 0.0000,

0.4336

1.0000

293.8200, 0.3768,
0.4275

■ 0.0000, 0.0000,
0.0000

■ 40.9547, 0.4164,
0.5076

■ 40.9547, 0.4164,
0.5076

■ 40.9568, 0.4164,
0.5076

■ 41.0348, 0.4143,
0.5034

■ 41.1519, 0.4103,
0.4959

■ 41.3230, 0.4037,
0.4841

■ 41.5551, 0.3946,
0.4683

■ 41.8542, 0.3833,
0.4489

■ 42.2258, 0.3704,
0.4267

■ 42.6745, 0.3563,
0.4028

■ 43.2048, 0.3417,
0.3780

■ 43.8206, 0.3271,
0.3532

Harmonies

Analogous

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



40.9547, 0.4918, 0.4403



40.9547, 0.4164, 0.5076



40.9547, 0.3210, 0.5278

Triad

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



40.9547, 0.4164, 0.5076



40.9547, 0.1404, 0.2353



40.9547, 0.3816, 0.2373

Complementary

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



40.9547, 0.4164, 0.5076



3.2343, 0.1506, 0.0603

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.



40.9547, 0.2729, 0.1947



40.9547, 0.4164, 0.5076



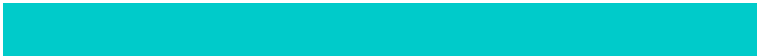
40.9547, 0.1505, 0.1879

Square

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



40.9547, 0.4164, 0.5076



40.9547, 0.1647, 0.3303



40.9547, 0.1935, 0.1770



40.9547, 0.4811, 0.2977

Rectangle

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



40.9547, 0.4164, 0.5076



40.9547, 0.2573, 0.4892



40.9547, 0.1935, 0.1770



40.9547, 0.3438, 0.2207

Sweetspot

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



40.9568, 0.4164, 0.5076



77.3322, 0.3571, 0.4041



9.5306, 0.6388, 0.3310



17.0546, 0.3630, 0.4142



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.



40.9568, 0.4164, 0.5076



74.2523, 0.4163, 0.5076



33.8251, 0.3345, 0.5726



9.8992, 0.3261, 0.3515



29.3043, 0.4164, 0.5076



0.9243, 0.4173, 0.5069

Inverse Universe

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



3.2343, 0.1506, 0.0603



5.8545, 0.1504, 0.0602



5.4886, 0.2059, 0.0908



8.2368, 0.2987, 0.3055



2.3167, 0.1507, 0.0604



0.0752, 0.1534, 0.0619

Previews

White Background



This preview shows how the Yxy color 40.9547, 0.4164, 0.5076 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 40.9547, 0.4164, 0.5076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

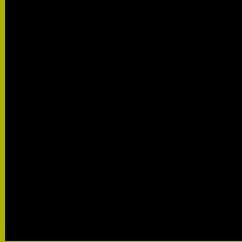
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9547, 0.4164, 0.5076

Background



This preview shows how black text looks on a background with the Yxy color 40.9547, 0.4164, 0.5076.



This preview shows how white text looks on a background with the Yxy color 40.9547, 0.4164, 0.5076.

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

40.9547, 0.4164, 0.5076

Protanopia

40.8425, 0.4399, 0.4889

Deuteranopia

40.8724, 0.4664, 0.4581



Tritanopia

40.6894, 0.3219, 0.3120

Trichromacy



Original Color

40.9547, 0.4164, 0.5076

Protanomaly

40.7112, 0.4311, 0.4959

Deuteranomaly

40.4632, 0.4494, 0.4761

Tritanomaly

40.0090, 0.3752, 0.4070

Monochromacy



Original Color

40.9547, 0.4164, 0.5076

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.7229, 0.3694, 0.4248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9547, 0.4164, 0.5076 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(175, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 0)  
}
```

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(175, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.9547, 0.4164, 0.5076 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(175, 178, 0) }
```

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

```
.border{ border-color:rgb(175, 178, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9547, 0.4164, 0.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 0) }
```

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

```
.background{ background-color: rgb(175,  
178, 0) }
```

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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