

Converting Colors

$Yxy(46.6752, 0.3918, 0.5028)$

Have a look what the booklet for
Yxy(46.6752, 0.3918, 0.5028)
contains.

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Color

Yxy(46.6752, 0.3918, 0.5028)

Conversions

Conversions Part 1

Format	Color
Hex	ACC02F
RGB	172, 192, 47
RGB Percent	67%, 75%, 18%
CMY	0.3256, 0.2470, 0.8156
CMYK	0.10, 0.00, 0.76, 0.25
HSL	68°, 61%, 47%
HSV	68°, 76%, 75%
XYZ	36.3710, 46.6752, 9.7843
YIQ	169.4900, 34.6250, -49.3350

Conversions

Conversions Part 2

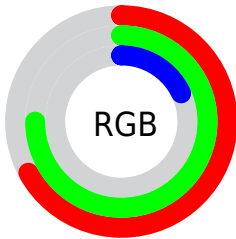
Format	Color
RYB	47, 192, 67
Decimal	11321391
CIELab	73.98, -24.85, 65.56
CIELCh	74, 70.110, 110.759
Yxy	46.6752, 0.3918, 0.5028
Android (android.graphics.Color)	4289511471 (0xFFACC02F)
YUV	169.4900, -60.3876, 2.2013
Hunter-Lab	68.3193, -24.5309, 39.3323

Details

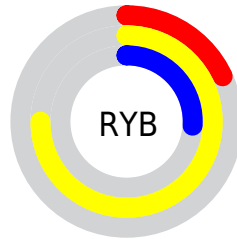
The Yxy color **46.6752, 0.3918, 0.5028** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **7.0380, 0.1825, 0.0999**, and the grayscale version is **40.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9573, 0.3827, 0.4732**, and **22.1782, 0.3911, 0.5277** is the 20% darker color. If you saturate the color by 10%, you get **46.2575, 0.3948, 0.5146**, and if you desaturate by 10%, it is **47.1713, 0.3862, 0.4867**.

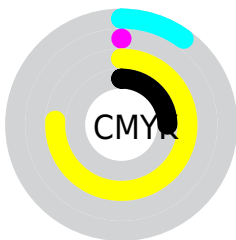
Distribution



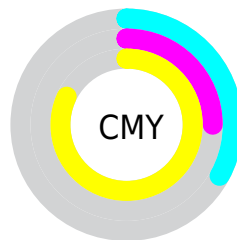
- Red (67%)
- Green (75%)
- Blue (18%)



- Red (18%)
- Yellow (75%)
- Blue (26%)



- Cyan (10%)
- Magenta (0%)
- Yellow (76%)
- Black (25%)





- Cyan (33%)
- Magenta (25%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6752, 0.3918, 0.5028 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 46.6752, 0.3918, 0.5028 by changing the saturation by 10% instead.


 46.6752, 0.3918,
0.5028

 46.6752, 0.3918,
0.5028

373.5166, 0.3597,
0.4173

 32.7790, 0.3962,
0.5218


 85.2286, 0.3826,
0.4731

 21.9572, 0.3995,
0.5440


 110.6545, 0.3784,
0.4615


 13.8254, 0.4002,
0.5702


 140.6925, 0.3745,
0.4515

 7.9994, 0.3969,
0.6031

 175.7269, 0.3710,
0.4428

 4.0945, 0.3733,
0.6267

 216.1421, 0.3677,
0.4352

 1.7266, 0.3337,
0.6663

 262.3225, 0.3648,

 0.4408, 0.0000,

0.4285

1.0000

314.6525, 0.3622,
0.4226

■ 0.0000, 0.0000,
0.0000

■ 46.6752, 0.3918,
0.5028

■ 46.6752, 0.3918,
0.5028

■ 46.2575, 0.3948,
0.5146

■ 47.1713, 0.3862,
0.4867

■ 45.9020, 0.3953,
0.5220

■ 47.7474, 0.3783,
0.4667

■ 45.7541, 0.3951,
0.5245

■ 48.4125, 0.3684,
0.4438

■ 49.1727, 0.3570,
0.4189

■ 50.0337, 0.3448,
0.3932

■ 51.0004, 0.3322,
0.3674

■ 52.0776, 0.3195,
0.3423

■ 53.2698, 0.3073,
0.3184

■ 54.5812, 0.2956,
0.2961

Harmonies

Analogous

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



46.6752, 0.4664, 0.4503



46.6752, 0.3918, 0.5028



46.6752, 0.3021, 0.4997

Triad

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



46.6752, 0.3918, 0.5028



46.6752, 0.1522, 0.2305



46.6752, 0.3989, 0.2565

Complementary

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



46.6752, 0.3918, 0.5028



7.0380, 0.1825, 0.0999

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.



46.6752, 0.2981, 0.2117



46.6752, 0.3918, 0.5028



46.6752, 0.1685, 0.1937

Square

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



46.6752, 0.3918, 0.5028



46.6752, 0.1680, 0.3081



46.6752, 0.2169, 0.1894



46.6752, 0.4800, 0.3161

Rectangle

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



46.6752, 0.3918, 0.5028



46.6752, 0.2449, 0.4518



46.6752, 0.2169, 0.1894



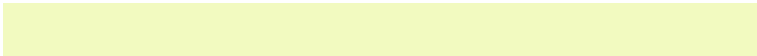
46.6752, 0.3651, 0.2395

Sweetspot

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



46.6773, 0.3918, 0.5028



91.0025, 0.3421, 0.3876



15.3526, 0.5511, 0.3493



19.3933, 0.3467, 0.3971



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.6773, 0.3918, 0.5028



83.3447, 0.3954, 0.5202



40.6308, 0.3307, 0.5453



11.6855, 0.3244, 0.3519



30.8082, 0.3954, 0.5242



1.3510, 0.4011, 0.5197

Inverse Universe

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



7.0380, 0.1825, 0.0999



8.2711, 0.1611, 0.0699



11.3183, 0.2536, 0.1357



9.8133, 0.3004, 0.3053



2.7339, 0.1560, 0.0633



0.1402, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 46.6752, 0.3918, 0.5028 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 46.6752, 0.3918, 0.5028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

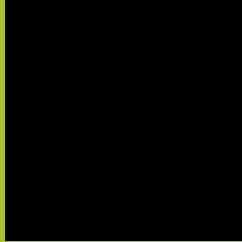
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6752, 0.3918, 0.5028

Background



This preview shows how black text looks on a background with the Yxy color 46.6752, 0.3918, 0.5028.



This preview shows how white text looks on a background with the Yxy color 46.6752, 0.3918, 0.5028.

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

46.6752, 0.3918, 0.5028

Protanopia

46.4751, 0.4308, 0.4757

Deuteranopia

46.1215, 0.4558, 0.4459



Tritanopia

46.5296, 0.3076, 0.3112

Trichromacy



Original Color

46.6752, 0.3918, 0.5028

Protanomaly

46.5137, 0.4158, 0.4863

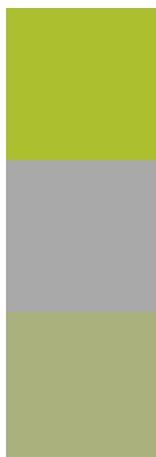
Deuteranomaly

45.7626, 0.4327, 0.4659

Tritanomaly

45.9982, 0.3455, 0.3883

Monochromacy



Original Color

46.6752, 0.3918, 0.5028

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.4710, 0.3496, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6752, 0.3918, 0.5028 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(172, 192, 47)` looks like.

```
.text, #text, p{  
    color:rgb(172, 192, 47)  
}
```

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(172, 192, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 192, 47) }
```

Border

The CSS property to change the border of an element to Yxy 46.6752, 0.3918, 0.5028 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(172, 192, 47) }
```

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

```
.border{ border-color:rgb(172, 192, 47) }
```

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

Here you see how a box with a 4 pixel rgb(172, 192, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 192, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 192, 47);  
box-shadow:4px 4px 4px 4px rgb(172, 192,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6752, 0.3918, 0.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 192, 47) }
```

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

```
.background{ background-color: rgb(172,  
192, 47) }
```

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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