

Converting Colors

$Y_{xy}(47.5000, 0.4016, 0.5076)$

Have a look what the booklet for
Yxy(47.5000, 0.4016, 0.5076)
contains.

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Color

Yxy(47.7038, 0.4013, 0.5080)

Conversions

Conversions Part 1

Format	Color
Hex	B2C11F
RGB	178, 193, 31
RGB Percent	70%, 76%, 12%
CMY	0.3018, 0.2432, 0.8784
CMYK	0.08, 0.00, 0.84, 0.24
HSL	66°, 72%, 44%
HSV	66°, 84%, 76%
XYZ	37.6841, 47.7038, 8.5172
YIQ	170.0470, 43.0620, -53.5620

Conversions

Conversions Part 2

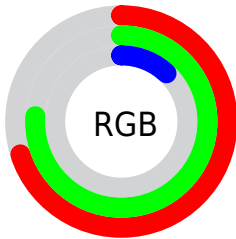
Format	Color
R _Y B	31, 193, 46
Decimal	11714847
CIE Lab	74.64, -23.36, 70.74
CIE LCh	75, 74.495, 108.276
Yxy	47.7038, 0.4013, 0.5080
Android (android.graphics.Color)	4289904927 (0xFFB2C11F)
YUV	170.0470, -68.5502, 6.9748
Hunter-Lab	69.0679, -23.4776, 41.0361

Details

The Yxy color **47.7038, 0.4013, 0.5080** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed chartreuse. A complement of this color would be **5.4097, 0.1664, 0.0801**, and the grayscale version is **40.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5640, 0.3914, 0.4784**, and **22.8211, 0.3961, 0.5237** is the 20% darker color. If you saturate the color by 10%, you get **47.4234, 0.4030, 0.5152**, and if you desaturate by 10%, it is **48.0521, 0.3971, 0.4965**.

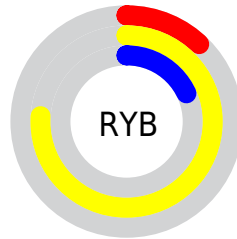
Distribution



Red (70%)

Green (76%)

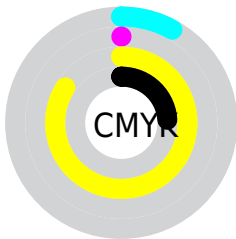
Blue (12%)



Red (12%)

Yellow (76%)

Blue (18%)

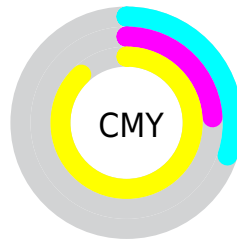


Cyan (8%)

Magenta (0%)

Yellow (84%)

Black (24%)



Cyan (30%)


Magenta (24%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7038, 0.4013, 0.5080 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 47.7038, 0.4013, 0.5080 by changing the saturation by 10% instead.


 47.7038, 0.4013,
0.5080

 47.7038, 0.4013,
0.5080


 377.6169, 0.3660,
0.4219

 33.5924, 0.4059,
0.5262


 86.7632, 0.3914,
0.4788


 22.5806, 0.4092,
0.5470


 112.4800, 0.3868,
0.4671


 14.2842, 0.4105,
0.5720


 142.8341, 0.3825,
0.4569

 8.3186, 0.4036,
0.5964

 178.2098, 0.3785,
0.4481

 4.2995, 0.3822,
0.6178

 218.9915, 0.3750,
0.4403

 1.8424, 0.3464,
0.6536

 265.5637, 0.3717,

 0.5134, 0.0000,

0.4335

1.0000

318.3106, 0.3687,
0.4274

■ 0.0000, 0.0000,
0.0000

■ 47.7038, 0.4013,
0.5080

■ 47.7038, 0.4013,
0.5080

■ 47.4234, 0.4030,
0.5152

■ 48.0521, 0.3971,
0.4965

■ 47.2720, 0.4032,
0.5181

■ 48.4713, 0.3903,
0.4807

■ 48.9714, 0.3812,
0.4611

■ 49.5593, 0.3702,
0.4386

■ 50.2409, 0.3579,
0.4141

■ 51.0218, 0.3447,
0.3888

■ 51.9071, 0.3312,
0.3633

■ 52.9016, 0.3179,
0.3385

■ 54.0096, 0.3050,
0.3148

Harmonies

Analogous

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



47.7038, 0.4776, 0.4484



47.7038, 0.4013, 0.5080



47.7038, 0.3081, 0.5138

Triad

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



47.7038, 0.4013, 0.5080



47.7038, 0.1456, 0.2301



47.7038, 0.3946, 0.2484

Complementary

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



47.7038, 0.4013, 0.5080



5.4097, 0.1664, 0.0801

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.



47.7038, 0.2888, 0.2039



47.7038, 0.4013, 0.5080



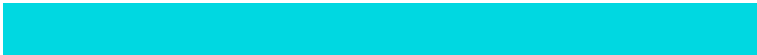
47.7038, 0.1599, 0.1894

Square

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



47.7038, 0.4013, 0.5080



47.7038, 0.1644, 0.3149



47.7038, 0.2069, 0.1828



47.7038, 0.4839, 0.3090

Rectangle

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



47.7038, 0.4013, 0.5080



47.7038, 0.2477, 0.4678



47.7038, 0.2069, 0.1828



47.7038, 0.3586, 0.2313

Sweetspot

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



47.7060, 0.4013, 0.5080



91.1720, 0.3466, 0.3925



13.2743, 0.5927, 0.3398



19.4507, 0.3513, 0.4015



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.



47.7060, 0.4013, 0.5080



84.6124, 0.4029, 0.5183



40.8607, 0.3336, 0.5585



11.7096, 0.3251, 0.3518



31.4621, 0.4034, 0.5179



1.3734, 0.4072, 0.5149

Inverse Universe

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



5.4097, 0.1664, 0.0801



7.0788, 0.1524, 0.0613



9.2273, 0.2357, 0.1166



9.7915, 0.2997, 0.3053



2.6610, 0.1535, 0.0619



0.1304, 0.1654, 0.0685

Previews

White Background



This preview shows how the Yxy color 47.7038, 0.4013, 0.5080 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 47.7038, 0.4013, 0.5080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

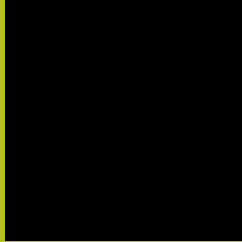
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7038, 0.4013, 0.5080

Background



This preview shows how black text looks on a background with the Yxy color 47.7038, 0.4013, 0.5080.



This preview shows how white text looks on a background with the Yxy color 47.7038, 0.4013, 0.5080.

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

47.7038, 0.4013, 0.5080

Protanopia

47.6302, 0.4363, 0.4824

Deuteranopia

47.4354, 0.4628, 0.4524



Tritanopia

47.7440, 0.3118, 0.3115

Trichromacy



Original Color

47.7038, 0.4013, 0.5080

Protanomaly

47.3651, 0.4233, 0.4920

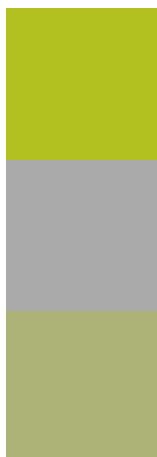
Deuteranomaly

47.1913, 0.4407, 0.4722

Tritanomaly

47.0120, 0.3548, 0.3951

Monochromacy



Original Color

47.7038, 0.4013, 0.5080

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.0569, 0.3570, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7038, 0.4013, 0.5080 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(178, 193, 31)` looks like.

```
.text, #text, p{  
    color:rgb(178, 193, 31)  
}
```

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(178, 193, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 193, 31) }
```

Border

The CSS property to change the border of an element to Yxy 47.7038, 0.4013, 0.5080 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(178, 193, 31) }
```

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

```
.border{ border-color:rgb(178, 193, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 193, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 193, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 193, 31);  
box-shadow:4px 4px 4px 4px rgb(178, 193,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7038, 0.4013, 0.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 193, 31) }
```

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

```
.background{ background-color: rgb(178,  
193, 31) }
```

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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