

Converting Colors

$Y_{xy}(44.6368, 0.4116, 0.5114)$

Have a look what the booklet for
Yxy(44.6368, 0.4116, 0.5114)
contains.

Yxy(44.5828, 0.4118, 0.5112)	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(44.5828, 0.4118, 0.5112)

Conversions

Conversions Part 1

Format	Color
Hex	B2BA00
RGB	178, 186, 0
RGB Percent	70%, 73%, 0%
CMY	0.3021, 0.2705, 0.9995
CMYK	0.04, 0.00, 1.00, 0.27
HSL	63°, 100%, 36%
HSV	63°, 100%, 73%
XYZ	35.9139, 44.5828, 6.7153
YIQ	162.4040, 54.9380, -59.5420

Conversions

Conversions Part 2

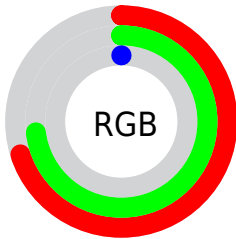
Format	Color
RYB	0, 186, 8
Decimal	11713024
CIELab	72.62, -20.49, 73.77
CIELCh	73, 76.561, 105.525
Yxy	44.5828, 0.4118, 0.5112
Android (android.graphics.Color)	4289903104 (0xFFB2BA00)
YUV	162.4040, -80.0652, 13.6777
Hunter-Lab	66.7704, -20.8379, 40.7762

Details

The Yxy color **44.5828, 0.4118, 0.5112** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.6010, 0.1513, 0.0608**, and the grayscale version is **36.7004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0880, 0.4006, 0.4827**, and **20.8400, 0.4040, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **44.5840, 0.4118, 0.5112**, and if you desaturate by 10%, it is **44.7262, 0.4103, 0.5067**.

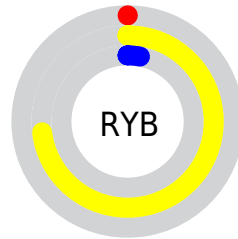
Distribution



Red (70%)

Green (73%)

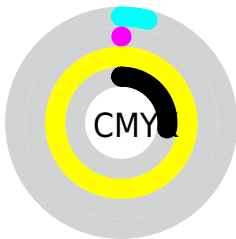
Blue (0%)



Red (0%)

Yellow (73%)

Blue (3%)

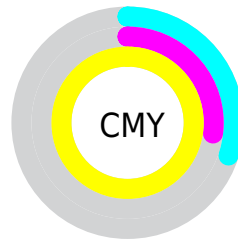


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (30%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5828, 0.4118, 0.5112 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 44.5828, 0.4118, 0.5112 by changing the saturation by 10% instead.


 44.5828, 0.4118,
0.5112


 44.5828, 0.4118,
0.5112


365.0813, 0.3722,
0.4246

 31.1289, 0.4168,
0.5287


 82.0940, 0.4008,
0.4823

 20.6971, 0.4200,
0.5481


 106.9201, 0.3956,
0.4705

 12.9027, 0.4244,
0.5756


 136.3058, 0.3908,
0.4603

 7.3616, 0.4111,
0.5889

 170.6354, 0.3863,
0.4513

 3.6893, 0.3906,
0.6094

 210.2934, 0.3823,
0.4434

 1.5013, 0.3553,
0.6447

 255.6641, 0.3786,

 0.2896, 0.0000,

0.4364

1.0000

307.1319, 0.3752,
0.4301

■ 0.0000, 0.0000,
0.0000

■ 44.5828, 0.4118,
0.5112

■ 44.5828, 0.4118,
0.5112

■ 44.5840, 0.4118,
0.5112

■ 44.7262, 0.4103,
0.5067

■ 44.9118, 0.4067,
0.4987

■ 45.1576, 0.4006,
0.4865

■ 45.4715, 0.3919,
0.4701

■ 45.8603, 0.3811,
0.4501

■ 46.3299, 0.3687,
0.4275

■ 46.8855, 0.3551,
0.4032

■ 47.5321, 0.3409,
0.3781

■ 48.2741, 0.3266,
0.3531

Harmonies

Analogous

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



44.5828, 0.4893, 0.4446



44.5828, 0.4118, 0.5112



44.5828, 0.3155, 0.5275

Triad

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



44.5828, 0.4118, 0.5112



44.5828, 0.1395, 0.2311



44.5828, 0.3881, 0.2398

Complementary

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



44.5828, 0.4118, 0.5112



3.6010, 0.1513, 0.0608

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.



44.5828, 0.2781, 0.1959



44.5828, 0.4118, 0.5112



44.5828, 0.1514, 0.1858

Square

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



44.5828, 0.4118, 0.5112



44.5828, 0.1617, 0.3239



44.5828, 0.1964, 0.1766



44.5828, 0.4861, 0.3011

Rectangle

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



44.5828, 0.4118, 0.5112



44.5828, 0.2520, 0.4852



44.5828, 0.1964, 0.1766



44.5828, 0.3501, 0.2228

Sweetspot

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



44.5849, 0.4118, 0.5112



84.9083, 0.3558, 0.4046



10.5782, 0.6376, 0.3319



18.6008, 0.3617, 0.4150



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.



44.5849, 0.4118, 0.5112



80.7695, 0.4117, 0.5113



37.1438, 0.3322, 0.5744



10.4830, 0.3257, 0.3516



29.9985, 0.4119, 0.5111



1.0637, 0.4139, 0.5095

Inverse Universe

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



3.6010, 0.1513, 0.0608



6.4935, 0.1510, 0.0605



6.2158, 0.2090, 0.0925



8.7375, 0.2991, 0.3054



2.4285, 0.1516, 0.0609



0.0919, 0.1582, 0.0645

Previews

White Background



This preview shows how the Yxy color 44.5828, 0.4118, 0.5112 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 44.5828, 0.4118, 0.5112 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 44.5828, 0.4118, 0.5112

Background



This preview shows how black text looks on a background with the Yxy color 44.5828, 0.4118, 0.5112.



This preview shows how white text looks on a background with the Yxy color 44.5828, 0.4118, 0.5112.

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

44.5828, 0.4118, 0.5112

Protanopia

44.2583, 0.4411, 0.4880

Deuteranopia

44.4722, 0.4673, 0.4571



Tritanopia

44.5087, 0.3179, 0.3124

Trichromacy



Original Color

44.5828, 0.4118, 0.5112

Protanomaly

44.3852, 0.4306, 0.4963

Deuteranomaly

44.1135, 0.4483, 0.4771

Tritanomaly

43.5879, 0.3703, 0.4093

Monochromacy



Original Color

44.5828, 0.4118, 0.5112

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.4299, 0.3681, 0.4266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5828, 0.4118, 0.5112 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, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 186, 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(178, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.5828, 0.4118, 0.5112 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, 186, 0) }
```

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

```
.border{ border-color:rgb(178, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5828, 0.4118, 0.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 186, 0) }
```

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

```
.background{ background-color: rgb(178,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor