

Converting Colors

$Y_{xy}(25.7229, 0.4190, 0.5055)$

Have a look what the booklet for
Yxy(25.7229, 0.4190, 0.5055)
contains.

Yxy(25.7862, 0.4181, 0.5062)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.7862, 0.4181, 0.5062)$

Conversions

Conversions Part 1

Format	Color
Hex	8F9000
RGB	143, 144, 0
RGB Percent	56%, 56%, 0%
CMY	0.4393, 0.4353, 0.9997
CMYK	0.01, 0.00, 1.00, 0.44
HSL	60°, 100%, 28%
HSV	60°, 100%, 56%
XYZ	21.2983, 25.7862, 3.8562
YIQ	127.2850, 45.6280, -44.9960

Conversions

Conversions Part 2

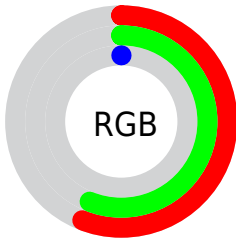
Format	Color
RYB	0, 144, 1
Decimal	9408512
CIELab	57.83, -14.55, 61.62
CIElCh	58, 63.315, 103.288
Yxy	25.7862, 0.4181, 0.5062
Android (android.graphics.Color)	4287598592 (0xFF8F9000)
YUV	127.2850, -62.7515, 13.7821
Hunter-Lab	50.7801, -13.9983, 31.0436

Details

The Yxy color **25.7862, 0.4181, 0.5062** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.0224, 0.1503, 0.0602**, and the grayscale version is **21.5373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1097, 0.4032, 0.4746**, and **10.0801, 0.4089, 0.5135** is the 20% darker color. If you saturate the color by 10%, you get **25.7872, 0.4181, 0.5062**, and if you desaturate by 10%, it is **25.8295, 0.4154, 0.5014**.

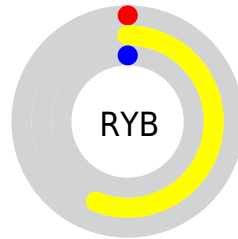
Distribution



Red (56%)

Green (56%)

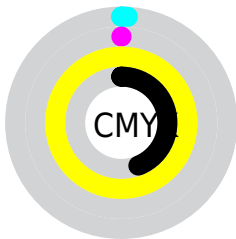
Blue (0%)



Red (0%)

Yellow (56%)

Blue (0%)

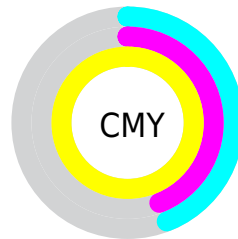


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7862, 0.4181, 0.5062 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 25.7862, 0.4181, 0.5062 by changing the saturation by 10% instead.


 25.7862, 0.4181,
0.5062


 25.7862, 0.4181,
0.5062


281.7310, 0.3700,
0.4144


 16.6638, 0.4249,
0.5262

 52.9298, 0.4036,
0.4740


 9.9951, 0.4329,
0.5531


 71.7198, 0.3970,
0.4613

 5.3957, 0.4277,
0.5723

 94.5011, 0.3912,
0.4505

 2.4812, 0.4095,
0.5905

 121.6581, 0.3859,
0.4411

 0.8672, 0.3510,
0.6490

 153.5752, 0.3813,
0.4331

 0.0000, 0.0000,
0.0000

 190.6368, 0.3771,


0.4260


 233.2272, 0.3733,
0.4198


 25.7862, 0.4181,
0.5062

 25.7862, 0.4181,
0.5062

 25.7872, 0.4181,
0.5062

 25.8295, 0.4154,
0.5014

 25.8938, 0.4108,
0.4936

 25.9914, 0.4038,
0.4816

 26.1264, 0.3945,
0.4658

 26.3023, 0.3831,
0.4466

■ 26.5223, 0.3701,
0.4248

■ 26.7891, 0.3560,
0.4013

■ 27.1054, 0.3415,
0.3770

■ 27.4736, 0.3269,
0.3526

Harmonies

Analogous

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



25.7862, 0.4927, 0.4387



25.7862, 0.4181, 0.5062



25.7862, 0.3231, 0.5277

Triad

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



25.7862, 0.4181, 0.5062



25.7862, 0.1409, 0.2369



25.7862, 0.3792, 0.2364

Complementary

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



25.7862, 0.4181, 0.5062



2.0224, 0.1503, 0.0602

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.



25.7862, 0.2711, 0.1943



25.7862, 0.4181, 0.5062



25.7862, 0.1503, 0.1887

Square

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



25.7862, 0.4181, 0.5062



25.7862, 0.1659, 0.3328



25.7862, 0.1925, 0.1771



25.7862, 0.4792, 0.2965

Rectangle

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



25.7862, 0.4181, 0.5062



25.7862, 0.2593, 0.4907



25.7862, 0.1925, 0.1771



25.7862, 0.3414, 0.2199

Sweetspot

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



25.7874, 0.4181, 0.5062



47.2087, 0.3570, 0.4029



5.9318, 0.6400, 0.3300



10.7834, 0.3624, 0.4119



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



25.7874, 0.4181, 0.5062



45.4722, 0.4181, 0.5062



21.3290, 0.3380, 0.5698



6.2835, 0.3258, 0.3508



22.4529, 0.4181, 0.5062



0.2151, 0.4188, 0.5057

Inverse Universe

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



2.0224, 0.1503, 0.0602



3.5602, 0.1502, 0.0601



3.3945, 0.2043, 0.0899



5.2567, 0.2991, 0.3063



1.7598, 0.1503, 0.0602



0.0171, 0.1519, 0.0610

Previews

White Background



This preview shows how the Yxy color 25.7862, 0.4181, 0.5062 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7862, 0.4181, 0.5062 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 × Fail

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

Yxy 25.7862, 0.4181, 0.5062

Background



This preview shows how black text looks on a background with the Yxy color 25.7862, 0.4181, 0.5062.



This preview shows how white text looks on a background with the Yxy color 25.7862, 0.4181, 0.5062.

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

25.7862, 0.4181, 0.5062

Protanopia

25.6333, 0.4407, 0.4883

Deuteranopia

25.6744, 0.4649, 0.4577



Tritanopia

25.8361, 0.3236, 0.3132

Trichromacy



Original Color

25.7862, 0.4181, 0.5062

Protanomaly

25.7252, 0.4324, 0.4949

Deuteranomaly

25.4266, 0.4486, 0.4755

Tritanomaly

25.3392, 0.3744, 0.4052

Monochromacy



Original Color

25.7862, 0.4181, 0.5062

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.3557, 0.3690, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7862, 0.4181, 0.5062 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(143, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 144, 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(143, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.7862, 0.4181, 0.5062 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(143, 144, 0) }
```

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

```
.border{ border-color:rgb(143, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7862, 0.4181, 0.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 144, 0) }
```

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

```
.background{ background-color: rgb(143,  
144, 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