

Converting Colors

$Y_{xy}(25.8016, 0.3861, 0.5079)$

Have a look what the booklet for
Yxy(25.8016, 0.3861, 0.5079)
contains.

Yxy(25.8016, 0.3861, 0.5079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(25.8016, 0.3861, 0.5079)$

Conversions

Conversions Part 1

Format	Color
Hex	7F9421
RGB	127, 148, 33
RGB Percent	50%, 58%, 13%
CMY	0.5021, 0.4196, 0.8706
CMYK	0.14, 0.00, 0.78, 0.42
HSL	71°, 64%, 35%
HSV	71°, 78%, 58%
XYZ	19.6141, 25.8016, 5.3849
YIQ	128.6110, 24.3990, -40.2170

Conversions

Conversions Part 2

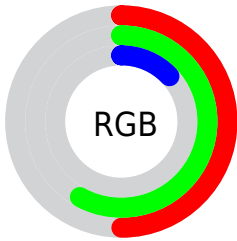
Format	Color
RYB	33, 148, 54
Decimal	8360993
CIELab	57.85, -22.84, 53.91
CIELCh	58, 58.552, 112.961
Yxy	25.8016, 0.3861, 0.5079
Android (android.graphics.Color)	4286551073 (0xFF7F9421)
YUV	128.6110, -47.1362, -1.4128
Hunter-Lab	50.7953, -19.9657, 29.2713

Details

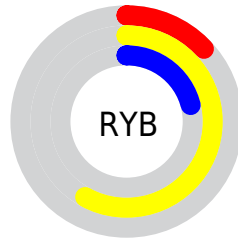
The Yxy color **25.8016, 0.3861, 0.5079** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.0113, 0.1861, 0.1007**, and the grayscale version is **21.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9965, 0.3770, 0.4716**, and **10.0052, 0.3804, 0.5362** is the 20% darker color. If you saturate the color by 10%, you get **25.5323, 0.3881, 0.5201**, and if you desaturate by 10%, it is **26.1153, 0.3816, 0.4914**.

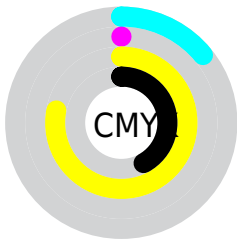
Distribution



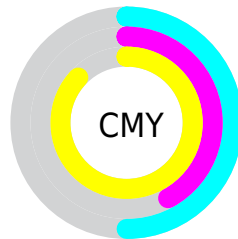
- Red (50%)
- Green (58%)
- Blue (13%)



- Red (13%)
- Yellow (58%)
- Blue (21%)



- Cyan (14%)
- Magenta (0%)
- Yellow (78%)
- Black (42%)





- Cyan (50%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8016, 0.3861, 0.5079 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 25.8016, 0.3861, 0.5079 by changing the saturation by 10% instead.


 25.8016, 0.3861,
0.5079


 25.8016, 0.3861,
0.5079


281.8068, 0.3532,
0.4102


 16.6753, 0.3904,
0.5326


 52.9547, 0.3764,
0.4714


 10.0032, 0.3922,
0.5631


 71.7503, 0.3719,
0.4579

 5.4011, 0.3924,
0.6076

 94.5377, 0.3679,
0.4466

 2.4845, 0.3632,
0.6368

 121.7014, 0.3643,
0.4370

 0.8688, 0.2359,
0.7641

 153.6258, 0.3610,
0.4288

 0.0000, 0.0000,
0.0000

 190.6952, 0.3582,

0.4217

233.2941, 0.3556,
0.4156

■ 25.8016, 0.3861,
0.5079

■ 25.8016, 0.3861,
0.5079

■ 25.5323, 0.3881,
0.5201

■ 26.1153, 0.3816,
0.4914

■ 25.2959, 0.3880,
0.5284

■ 26.4742, 0.3748,
0.4713

■ 25.2435, 0.3879,
0.5302

■ 26.8832, 0.3661,
0.4483

■ 27.3456, 0.3559,
0.4235

■ 27.8643, 0.3448,
0.3979

■ 28.4421, 0.3332,
0.3723

■ 29.0817, 0.3216,
0.3474

■ 29.7853, 0.3101,
0.3237

■ 30.5553, 0.2991,
0.3015

Harmonies

Analogous

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



25.8016, 0.4638, 0.4564



25.8016, 0.3861, 0.5079



25.8016, 0.2949, 0.4996

Triad

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



25.8016, 0.3861, 0.5079



25.8016, 0.1502, 0.2247



25.8016, 0.4077, 0.2594

Complementary

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



25.8016, 0.3861, 0.5079



4.0113, 0.1861, 0.1007

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.



25.8016, 0.3050, 0.2127



25.8016, 0.3861, 0.5079



25.8016, 0.1690, 0.1904

Square

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



25.8016, 0.3861, 0.5079



25.8016, 0.1635, 0.3002



25.8016, 0.2203, 0.1883



25.8016, 0.4869, 0.3204

Rectangle

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



25.8016, 0.3861, 0.5079



25.8016, 0.2378, 0.4470



25.8016, 0.2203, 0.1883



25.8016, 0.3736, 0.2418

Sweetspot

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



25.8028, 0.3861, 0.5079



49.5781, 0.3399, 0.3870



8.8775, 0.5483, 0.3547



11.2423, 0.3438, 0.3955



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.8028, 0.3861, 0.5079



44.7433, 0.3881, 0.5262



22.6449, 0.3271, 0.5492



6.6916, 0.3233, 0.3511



21.5697, 0.3881, 0.5300



0.2752, 0.4042, 0.5173

Inverse Universe

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



4.0113, 0.1861, 0.1007



4.6494, 0.1644, 0.0714



6.5201, 0.2589, 0.1375



5.6810, 0.3016, 0.3063



2.0353, 0.1600, 0.0655



0.0344, 0.1937, 0.0841

Previews

White Background



This preview shows how the Yxy color 25.8016, 0.3861, 0.5079 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 25.8016, 0.3861, 0.5079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

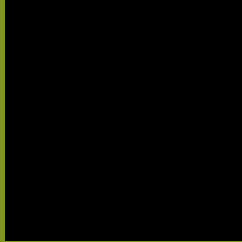
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8016, 0.3861, 0.5079

Background



This preview shows how black text looks on a background with the Yxy color 25.8016, 0.3861, 0.5079.



This preview shows how white text looks on a background with the Yxy color 25.8016, 0.3861, 0.5079.

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

25.8016, 0.3861, 0.5079

Protanopia

25.6321, 0.4307, 0.4760

Deuteranopia

25.6613, 0.4545, 0.4467



Tritanopia

25.7502, 0.3018, 0.3109

Trichromacy



Original Color

25.8016, 0.3861, 0.5079

Protanomaly

25.4700, 0.4138, 0.4877

Deuteranomaly

25.4850, 0.4295, 0.4689

Tritanomaly

25.4759, 0.3394, 0.3902

Monochromacy



Original Color

25.8016, 0.3861, 0.5079

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.0057, 0.3478, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8016, 0.3861, 0.5079 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(127, 148, 33)` looks like.

```
.text, #text, p{  
    color:rgb(127, 148, 33)  
}
```

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(127, 148, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 148, 33) }
```

Border

The CSS property to change the border of an element to Yxy 25.8016, 0.3861, 0.5079 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(127, 148, 33) }
```

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

```
.border{ border-color:rgb(127, 148, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 148, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 148, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 148, 33);  
box-shadow:4px 4px 4px 4px rgb(127, 148,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8016, 0.3861, 0.5079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 148, 33) }
```

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

```
.background{ background-color: rgb(127,  
148, 33) }
```

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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