

Converting Colors

$Y_{xy}(12.5010, 0.4079, 0.4916)$

Have a look what the booklet for
Yxy(12.5010, 0.4079, 0.4916)
contains.

Yxy(12.5213, 0.4067, 0.4919)	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(12.5213, 0.4067, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	656715
RGB	101, 103, 21
RGB Percent	40%, 40%, 8%
CMY	0.6039, 0.5961, 0.9176
CMYK	0.02, 0.00, 0.80, 0.60
HSL	61°, 66%, 24%
HSV	61°, 80%, 40%
XYZ	10.3525, 12.5213, 2.5811
YIQ	93.0540, 25.1300, -25.9260

Conversions

Conversions Part 2

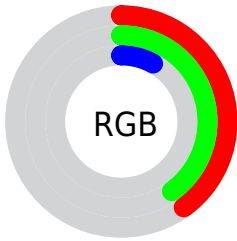
Format	Color
R_{YB}	21, 103, 23
Decimal	6645525
CIE Lab	42.03, -11.36, 42.60
CIE LCh	42, 44.092, 104.927
Yxy	12.5213, 0.4067, 0.4919
Android (android.graphics.Color)	4284835605 (0xFF656715)
YUV	93.0540, -35.5226, 6.9686
Hunter-Lab	35.3854, -9.7017, 20.4450

Details

The Yxy color **12.5213, 0.4067, 0.4919** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6984, 0.1728, 0.0956**, and the grayscale version is **11.0404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4491, 0.3880, 0.4535**, and **3.5322, 0.4059, 0.5159** is the 20% darker color. If you saturate the color by 10%, you get **12.4767, 0.4116, 0.5011**, and if you desaturate by 10%, it is **12.5828, 0.3995, 0.4789**.

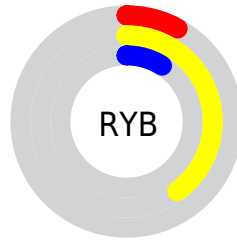
Distribution



Red (40%)

Green (40%)

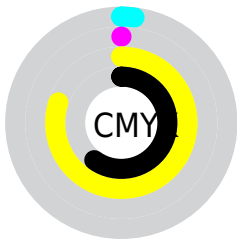
Blue (8%)



Red (8%)

Yellow (40%)

Blue (9%)

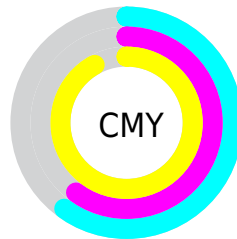


Cyan (2%)

Magenta (0%)

Yellow (80%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5213, 0.4067, 0.4919 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 12.5213, 0.4067, 0.4919 by changing the saturation by 10% instead.

12.5213, 0.4067,
0.4919

12.5213, 0.4067,
0.4919

207.8265, 0.3560,
0.3952

7.0998, 0.4165,
0.5190

30.4411, 0.3889,
0.4535

3.5246, 0.4338,
0.5662

43.7081, 0.3817,
0.4400

1.4113, 0.4141,
0.5859

60.3590, 0.3757,
0.4289

0.2251, 0.0000,
1.0000

80.7783, 0.3705,
0.4198


0.0000, 0.0000,
0.0000


105.3502, 0.3661,
0.4121

134.4594, 0.3622,

0.4056

 168.4900, 0.3589,
0.4001

 12.5213, 0.4067,
0.4919


 12.5213, 0.4067,
0.4919


 12.4767, 0.4116,
0.5011


 12.5828, 0.3995,
0.4789


 12.4396, 0.4152,
0.5081

 12.6612, 0.3902,
0.4624

 12.4382, 0.4153,
0.5084

 12.7586, 0.3791,
0.4429

 12.8763, 0.3666,
0.4213

 13.0155, 0.3533,
0.3982

■ 13.1773, 0.3395,
0.3746

■ 13.3628, 0.3257,
0.3510

■ 13.5729, 0.3122,
0.3281

■ 13.8086, 0.2993,
0.3062

Harmonies

Analogous

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



12.5213, 0.4740, 0.4360



12.5213, 0.4067, 0.4919



12.5213, 0.3201, 0.5019

Triad

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



12.5213, 0.4067, 0.4919



12.5213, 0.1557, 0.2444



12.5213, 0.3779, 0.2481

Complementary

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



12.5213, 0.4067, 0.4919



1.6984, 0.1728, 0.0956

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.



12.5213, 0.2809, 0.2079



12.5213, 0.4067, 0.4919



12.5213, 0.1658, 0.2008

Square

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



12.5213, 0.4067, 0.4919



12.5213, 0.1782, 0.3283



12.5213, 0.2072, 0.1908



12.5213, 0.4642, 0.3047

Rectangle

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



12.5213, 0.4067, 0.4919



12.5213, 0.2624, 0.4652



12.5213, 0.2072, 0.1908



12.5213, 0.3445, 0.2324

Sweetspot

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



12.5219, 0.4067, 0.4919



23.4412, 0.3465, 0.3867



3.5263, 0.5670, 0.3319



5.7006, 0.3502, 0.3930



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.5219, 0.4067, 0.4919



22.2858, 0.4142, 0.5064



10.7359, 0.3437, 0.5356



3.2647, 0.3247, 0.3494



15.6459, 0.4153, 0.5085



81.5434, 0.4150, 0.5087

Inverse Universe

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



1.6984, 0.1728, 0.0956



1.9262, 0.1538, 0.0651



2.5852, 0.2342, 0.1264



2.7666, 0.3002, 0.3078



1.2501, 0.1513, 0.0607



6.4640, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 12.5213, 0.4067, 0.4919 looks on a white background.

Color Contrast Check

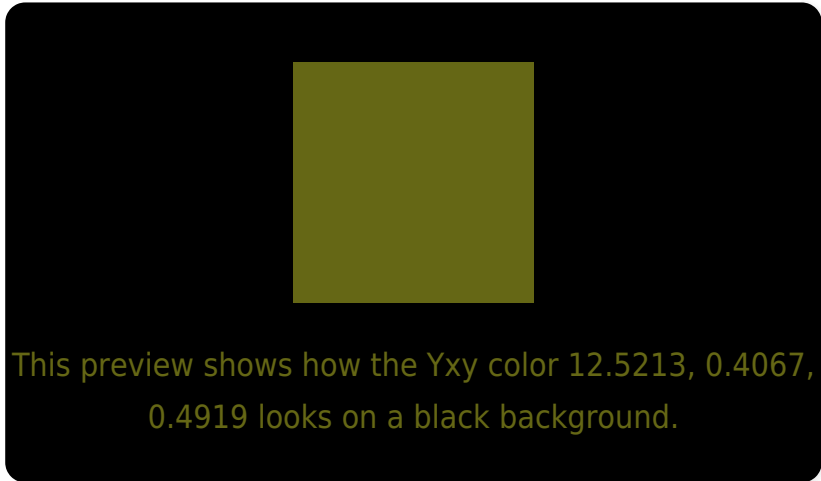
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

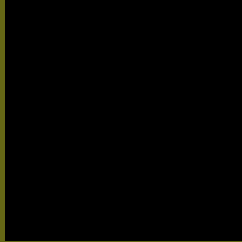
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5213, 0.4067, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 12.5213, 0.4067, 0.4919.



This preview shows how white text looks on a background with the Yxy color 12.5213, 0.4067, 0.4919.

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

12.5213, 0.4067, 0.4919

Protanopia

12.4189, 0.4309, 0.4748

Deuteranopia

12.4400, 0.4549, 0.4475



Tritanopia

12.5332, 0.3210, 0.3139

Trichromacy



Original Color

12.5213, 0.4067, 0.4919

Protanomaly

12.3530, 0.4230, 0.4808

Deuteranomaly

12.3283, 0.4377, 0.4635

Tritanomaly

12.4080, 0.3592, 0.3879

Monochromacy



Original Color

12.5213, 0.4067, 0.4919

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.4414, 0.3543, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5213, 0.4067, 0.4919 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(101, 103, 21)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 21)  
}
```

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(101, 103, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.5213, 0.4067, 0.4919 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(101, 103, 21) }
```

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

```
.border{ border-color:rgb(101, 103, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 103, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 21);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5213, 0.4067, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 21) }
```

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

```
.background{ background-color: rgb(101,  
103, 21) }
```

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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