

Converting Colors

$Y_{xy}(13.1431, 0.4163, 0.5480)$

Have a look what the booklet for
Yxy(13.1431, 0.4163, 0.5480)
contains.

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Color

Yxy(13.2119, 0.4009, 0.5199)

Conversions

Conversions Part 1

Format	Color
Hex	606C00
RGB	96, 108, 0
RGB Percent	38%, 42%, 0%
CMY	0.6235, 0.5765, 1.0000
CMYK	0.11, 0.00, 1.00, 0.58
HSL	67°, 100%, 21%
HSV	67°, 100%, 42%
XYZ	10.1878, 13.2119, 2.0127
YIQ	92.1000, 27.5160, -36.1320

Conversions

Conversions Part 2

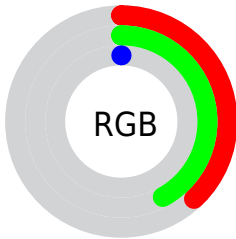
Format	Color
RYB	0, 108, 12
Decimal	6319104
CIELab	43.08, -17.15, 48.98
CIELCh	43, 51.897, 109.294
Yxy	13.2119, 0.4009, 0.5199
Android (android.graphics.Color)	4284509184 (0xFF606C00)
YUV	92.1000, -45.4053, 3.4203
Hunter-Lab	36.3482, -13.5786, 22.1607

Details

The Yxy color **13.2119, 0.4009, 0.5199** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1607, 0.1564, 0.0635**, and the grayscale version is **10.8298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6065, 0.3883, 0.4759**, and **3.8954, 0.3793, 0.5371** is the 20% darker color. If you saturate the color by 10%, you get **13.2125, 0.4009, 0.5199**, and if you desaturate by 10%, it is **13.3017, 0.3989, 0.5115**.

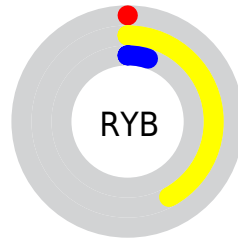
Distribution



Red (38%)

Green (42%)

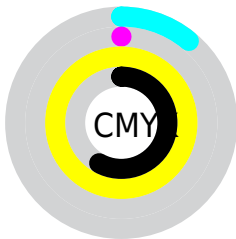
Blue (0%)



Red (0%)

Yellow (42%)

Blue (5%)

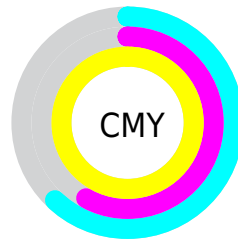


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (62%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2119, 0.4009, 0.5199 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 13.2119, 0.4009, 0.5199 by changing the saturation by 10% instead.


 13.2119, 0.4009,
0.5199


 13.2119, 0.4009,
0.5199


 212.2713, 0.3572,
0.4075


 7.5746, 0.4071,
0.5519


 31.6839, 0.3876,
0.4761


 3.8240, 0.4078,
0.5922

 45.2875, 0.3814,
0.4603


 1.5756, 0.3794,
0.6206

 62.3153, 0.3760,
0.4473

 0.3411, 0.0000,
1.0000


 83.1517, 0.3712,
0.4366


 0.0000, 0.0000,
0.0000


 108.1811, 0.3670,
0.4275


 137.7879, 0.3633,


0.4199

 172.3565, 0.3600,
0.4133


 13.2119, 0.4009,
0.5199

 13.2119, 0.4009,
0.5199


 13.2125, 0.4009,
0.5199

 13.3017, 0.3989,
0.5115

 13.4009, 0.3957,
0.5009

 13.5185, 0.3901,
0.4864

 13.6564, 0.3823,
0.4684

 13.8163, 0.3727,
0.4475

■ 13.9998, 0.3618,
0.4246

■ 14.2083, 0.3498,
0.4006

■ 14.4429, 0.3374,
0.3762

■ 14.7049, 0.3250,
0.3522

Harmonies

Analogous

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



13.2119, 0.4834, 0.4549



13.2119, 0.4009, 0.5199



13.2119, 0.3026, 0.5267

Triad

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



13.2119, 0.4009, 0.5199



13.2119, 0.1371, 0.2212



13.2119, 0.4036, 0.2456

Complementary

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



13.2119, 0.4009, 0.5199



1.1607, 0.1564, 0.0635

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.



13.2119, 0.2903, 0.1985



13.2119, 0.4009, 0.5199



13.2119, 0.1532, 0.1810

Square

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



13.2119, 0.4009, 0.5199



13.2119, 0.1547, 0.3089



13.2119, 0.2031, 0.1757



13.2119, 0.4977, 0.3089

Rectangle

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



13.2119, 0.4009, 0.5199



13.2119, 0.2395, 0.4753



13.2119, 0.2031, 0.1757



13.2119, 0.3651, 0.2276

Sweetspot

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



13.2125, 0.4009, 0.5199



24.9138, 0.3508, 0.4025



3.4228, 0.6268, 0.3405



6.0012, 0.3547, 0.4103



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.2125, 0.4009, 0.5199



23.1662, 0.4004, 0.5203



11.2426, 0.3275, 0.5782



3.5673, 0.3237, 0.3497



15.7530, 0.4007, 0.5200



80.0348, 0.3996, 0.5209

Inverse Universe

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



1.1607, 0.1564, 0.0635



2.0071, 0.1550, 0.0627



2.1996, 0.2274, 0.1027



3.0398, 0.3013, 0.3076



1.3771, 0.1559, 0.0632



6.8155, 0.1532, 0.0617

Previews

White Background



This preview shows how the Yxy color 13.2119, 0.4009, 0.5199 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



This preview shows how the Yxy color 13.2119, 0.4009, 0.5199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

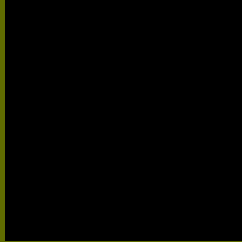
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2119, 0.4009, 0.5199

Background



This preview shows how black text looks on a background with the Yxy color 13.2119, 0.4009, 0.5199.



This preview shows how white text looks on a background with the Yxy color 13.2119, 0.4009, 0.5199.

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

13.2119, 0.4009, 0.5199

Protanopia

13.1476, 0.4397, 0.4891

Deuteranopia

13.1823, 0.4600, 0.4564



Tritanopia

13.1401, 0.3078, 0.3117

Trichromacy



Original Color

13.2119, 0.4009, 0.5199

Protanomaly

13.0888, 0.4256, 0.5003

Deuteranomaly

13.0445, 0.4386, 0.4802

Tritanomaly

12.8969, 0.3560, 0.4067

Monochromacy



Original Color

13.2119, 0.4009, 0.5199

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3783, 0.3599, 0.4234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2119, 0.4009, 0.5199 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(96, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 108, 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(96, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2119, 0.4009, 0.5199 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(96, 108, 0) }
```

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

```
.border{ border-color:rgb(96, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 108, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2119, 0.4009, 0.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 108, 0) }
```

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

```
.background{ background-color: rgb(96, 108,  
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](#).

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