

Converting Colors

$Y_{xy}(13.1209, 0.3762, 0.4604)$

Have a look what the booklet for
Yxy(13.1209, 0.3762, 0.4604)
contains.

Yxy(13.1100, 0.3760, 0.4605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1100, 0.3760, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	626A2F
RGB	98, 106, 47
RGB Percent	38%, 42%, 18%
CMY	0.6157, 0.5843, 0.8157
CMYK	0.08, 0.00, 0.56, 0.58
HSL	68°, 39%, 30%
HSV	68°, 56%, 42%
XYZ	10.7044, 13.1100, 4.6547
YIQ	96.8820, 14.1710, -20.0450

Conversions

Conversions Part 2

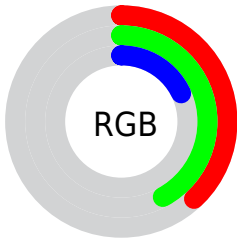
Format	Color
R _Y B	47, 106, 55
Decimal	6449711
CIE Lab	42.93, -12.54, 31.67
CIE LCh	43, 34.063, 111.606
Yxy	13.1100, 0.3760, 0.4605
Android (android.graphics.Color)	4284639791 (0xFF626A2F)
YUV	96.8820, -24.5918, 0.9805
Hunter-Lab	36.2077, -10.5922, 17.7234

Details

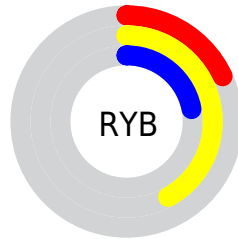
The Yxy color **13.1100, 0.3760, 0.4605** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.8851, 0.2239, 0.1675**, and the grayscale version is **11.9827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4242, 0.3627, 0.4269**, and **3.8060, 0.3962, 0.5237** is the 20% darker color. If you saturate the color by 10%, you get **12.9560, 0.3842, 0.4803**, and if you desaturate by 10%, it is **13.2874, 0.3662, 0.4383**.

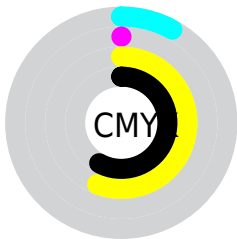
Distribution



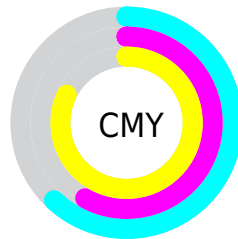
- Red (38%)
- Green (42%)
- Blue (18%)



- Red (18%)
- Yellow (42%)
- Blue (22%)



- Cyan (8%)
- Magenta (0%)
- Yellow (56%)
- Black (58%)





- Cyan (62%)
- Magenta (58%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1100, 0.3760, 0.4605 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 13.1100, 0.3760, 0.4605 by changing the saturation by 10% instead.


 13.1100, 0.3760,
0.4605


 13.1100, 0.3760,
0.4605


 211.6214, 0.3407,
0.3803


 7.5043, 0.3846,
0.4864


 31.5013, 0.3627,
0.4272


 3.7795, 0.3966,
0.5268

 45.0557, 0.3578,
0.4160


 1.5510, 0.4088,
0.5912

 62.0284, 0.3537,
0.4070

 0.3242, 0.0060,
0.9940

 82.8039, 0.3502,
0.3997

 0.0000, 0.0000,
0.0000

 107.7666, 0.3473,
0.3936

 137.3008, 0.3448,

0.3885

171.7910, 0.3426,
0.3841

■ 13.1100, 0.3760,
0.4605

■ 13.1100, 0.3760,
0.4605

■ 12.9560, 0.3842,
0.4803

■ 13.2874, 0.3662,
0.4383

■ 12.8221, 0.3903,
0.4969

■ 13.4879, 0.3552,
0.4145

■ 12.7071, 0.3942,
0.5098

■ 13.7132, 0.3434,
0.3901

■ 12.6072, 0.3961,
0.5191

■ 13.9646, 0.3314,
0.3657

■ 12.5651, 0.3968,
0.5231

■ 14.2431, 0.3194,
0.3420

■ 14.5498, 0.3077,
0.3193

■ 14.8857, 0.2965,
0.2981

■ 15.2517, 0.2860,
0.2783

■ 15.6486, 0.2762,
0.2601

Harmonies

Analogous

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



13.1100, 0.4319, 0.4287



13.1100, 0.3760, 0.4605



13.1100, 0.3066, 0.4501

Triad

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



13.1100, 0.3760, 0.4605



13.1100, 0.1866, 0.2548



13.1100, 0.3797, 0.2749

Complementary

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



13.1100, 0.3760, 0.4605



3.8851, 0.2239, 0.1675

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.



13.1100, 0.3052, 0.2379



13.1100, 0.3760, 0.4605



13.1100, 0.2005, 0.2239

Square

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



13.1100, 0.3760, 0.4605



13.1100, 0.2004, 0.3143



13.1100, 0.2411, 0.2195



13.1100, 0.4382, 0.3241

Rectangle

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



13.1100, 0.3760, 0.4605



13.1100, 0.2621, 0.4149



13.1100, 0.2411, 0.2195



13.1100, 0.3551, 0.2608

Sweetspot

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



13.1106, 0.3760, 0.4605



24.4243, 0.3336, 0.3701



5.9886, 0.4535, 0.3474



5.7071, 0.3352, 0.3733



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.



13.1106, 0.3760, 0.4605



22.6586, 0.3864, 0.4860



11.7654, 0.3319, 0.4823



3.5638, 0.3233, 0.3497



15.5826, 0.3966, 0.5233



79.1248, 0.3952, 0.5244

Inverse Universe

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



3.8851, 0.2239, 0.1675



4.6348, 0.1999, 0.1275



4.9748, 0.2758, 0.1878



3.0430, 0.3016, 0.3077



1.4007, 0.1574, 0.0641



6.9066, 0.1544, 0.0624

Previews

White Background



This preview shows how the Yxy color 13.1100, 0.3760, 0.4605 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 13.1100, 0.3760, 0.4605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

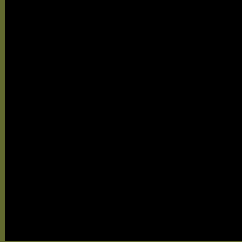
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1100, 0.3760, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 13.1100, 0.3760, 0.4605.



This preview shows how white text looks on a background with the Yxy color 13.1100, 0.3760, 0.4605.

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

13.1100, 0.3760, 0.4605

Protanopia

12.9494, 0.4046, 0.4429

Deuteranopia

12.9560, 0.4264, 0.4180



Tritanopia

13.1791, 0.3105, 0.3139

Trichromacy



Original Color

13.1100, 0.3760, 0.4605

Protanomaly

13.0236, 0.3943, 0.4502

Deuteranomaly

12.9809, 0.4070, 0.4337

Tritanomaly

12.9834, 0.3360, 0.3675

Monochromacy



Original Color

13.1100, 0.3760, 0.4605

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2202, 0.3374, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1100, 0.3760, 0.4605 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(98, 106, 47)` looks like.

```
.text, #text, p{  
  color:rgb(98, 106, 47)  
}
```

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(98, 106, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 106, 47) }
```

Border

The CSS property to change the border of an element to Yxy 13.1100, 0.3760, 0.4605 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(98, 106, 47) }
```

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

```
.border{ border-color:rgb(98, 106, 47) }
```

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

Here you see how a box with a 4 pixel rgb(98, 106, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 106, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 106, 47);  
box-shadow:4px 4px 4px 4px rgb(98, 106,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1100, 0.3760, 0.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 106, 47) }
```

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

```
.background{ background-color: rgb(98, 106,  
47) }
```

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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