

Converting Colors

$Y_{xy}(13.3606, 0.5066, 0.4201)$

Have a look what the booklet for
Yxy(13.3606, 0.5066, 0.4201)
contains.

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Color

Yxy(13.3474, 0.5065, 0.4198)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 965713 |
| RGB | 150, 87, 19 |
| RGB Percent | 59%, 34%, 7% |
| CMY | 0.4117, 0.6588, 0.9255 |
| CMYK | 0.00, 0.42, 0.87, 0.41 |
| HSL | 31°, 78%, 33% |
| HSV | 31°, 87%, 59% |
| XYZ | 16.1040, 13.3474, 2.3433 |
| YIQ | 98.0850, 59.3760, -7.7920 |

Conversions

Conversions Part 2

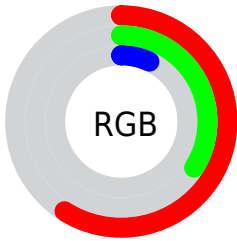
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 140, 150, 19 |
| Decimal | 9852691 |
| CIE _{Lab} | 43.28, 21.15, 46.58 |
| CIE _{LCh} | 43, 51.155, 65.581 |
| Y _{xy} | 13.3474, 0.5065, 0.4198 |
| Android (android.graphics.Color) | 4288042771 (0xFF965713) |
| YUV | 98.0850, -38.9889, 45.5295 |
| Hunter-Lab | 36.5341, 14.7470, 21.7711 |

Details

The Yxy color **13.3474, 0.5065, 0.4198** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.3747, 0.1863, 0.1775**, and the grayscale version is **12.3245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8888, 0.4644, 0.4074**, and **3.9130, 0.5474, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **12.1995, 0.5273, 0.4163**, and if you desaturate by 10%, it is **14.6437, 0.4828, 0.4186**.

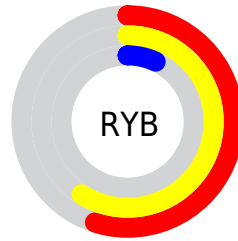
Distribution



Red (59%)

Green (34%)

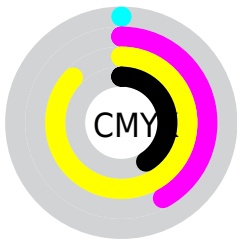
Blue (7%)



Red (55%)

Yellow (59%)

Blue (7%)

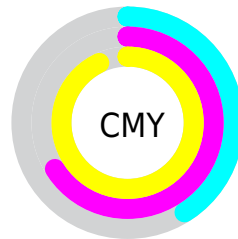


Cyan (0%)

Magenta (42%)

Yellow (87%)

Black (41%)



Cyan (41%)


Magenta (66%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3474, 0.5065, 0.4198 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 13.3474, 0.5065, 0.4198 by changing the saturation by 10% instead.


 13.3474, 0.5065,
0.4198


 13.3474, 0.5065,
0.4198


213.1323, 0.3959,
0.3780


 7.6682, 0.5349,
0.4234


 31.9265, 0.4645,
0.4082


 3.8834, 0.5750,
0.4250

 45.5952, 0.4490,
0.4024


 1.6085, 0.6020,
0.3980

 62.6959, 0.4362,
0.3971

 0.3633, 0.7034,
0.2966


 83.6129, 0.4254,
0.3923

 0.0000, 0.0000,
0.0000


 108.7306, 0.4163,
0.3881


 138.4335, 0.4085,

0.3844

 173.1059, 0.4018,
0.3810

 13.3474, 0.5065,
0.4198


 13.3474, 0.5065,
0.4198

 12.1995, 0.5273,
0.4163


 14.6437, 0.4828,
0.4186

 11.9144, 0.5328,
0.4151

 16.0971, 0.4572,
0.4128

 17.7158, 0.4311,
0.4034

 19.5066, 0.4058,
0.3915

 21.4759, 0.3822,
0.3784

■ 23.6294, 0.3606,
0.3647

■ 25.9728, 0.3412,
0.3512

■ 28.5112, 0.3240,
0.3381

■ 31.2496, 0.3089,
0.3258

Harmonies

Analogous

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



13.3474, 0.5185, 0.3470



13.3474, 0.5065, 0.4198



13.3474, 0.4406, 0.4917

Triad

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



13.3474, 0.5065, 0.4198



13.3474, 0.1779, 0.3645



13.3474, 0.2470, 0.1867

Complementary

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



13.3474, 0.5065, 0.4198



8.3747, 0.1863, 0.1775

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.



13.3474, 0.1777, 0.1764



13.3474, 0.5065, 0.4198



13.3474, 0.1429, 0.2563

Square

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



13.3474, 0.5065, 0.4198



13.3474, 0.2519, 0.4848



13.3474, 0.1440, 0.1964



13.3474, 0.3502, 0.2230

Rectangle

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



13.3474, 0.5065, 0.4198



13.3474, 0.3805, 0.5251



13.3474, 0.1440, 0.1964



13.3474, 0.2197, 0.1802

Sweetspot

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



13.3481, 0.5065, 0.4198



42.0265, 0.3589, 0.3636



7.5640, 0.4679, 0.2467



9.0428, 0.3653, 0.3678



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.



13.3481, 0.5065, 0.4198



20.6731, 0.5356, 0.4129



28.1403, 0.4131, 0.5010



6.2835, 0.3270, 0.3405



9.9455, 0.5318, 0.4159



0.1808, 0.4735, 0.4623

Inverse Universe

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



8.3747, 0.1863, 0.1775



11.7496, 0.1753, 0.1509



2.8291, 0.1594, 0.0745



6.0656, 0.2989, 0.3172



5.7485, 0.1765, 0.1555



0.1288, 0.1984, 0.2343

Previews

White Background



This preview shows how the Yxy color 13.3474, 0.5065, 0.4198 looks on a white background.

Color Contrast Check

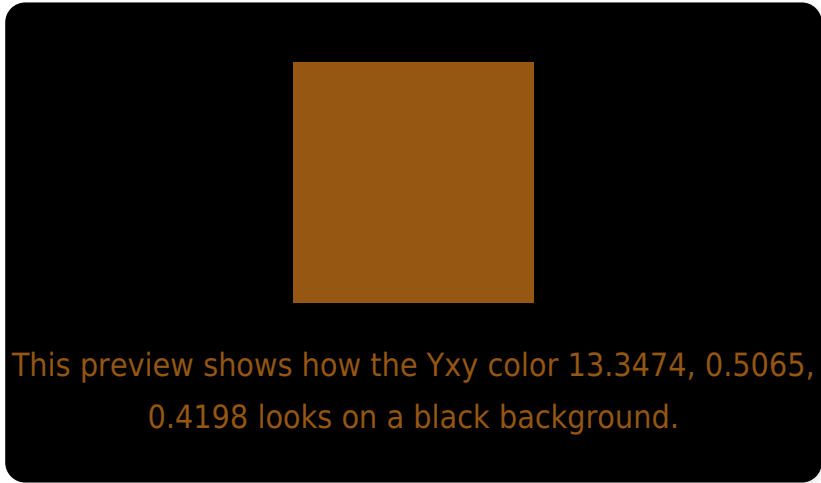
Large Text (above 18pt) WCAG AA ✓ Pass

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

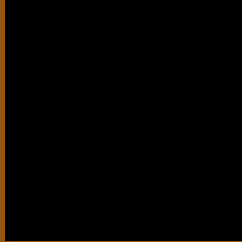
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3474, 0.5065, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 13.3474, 0.5065, 0.4198.



This preview shows how white text looks on a background with the Yxy color 13.3474, 0.5065, 0.4198.

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

13.3474, 0.5065, 0.4198

Protanopia

13.4754, 0.4291, 0.4736

Deuteranopia

13.3194, 0.4664, 0.4587



Tritanopia

13.3453, 0.4258, 0.3193

Trichromacy



Original Color

13.3474, 0.5065, 0.4198

Protanomaly

13.1965, 0.4574, 0.4531

Deuteranomaly

13.1788, 0.4819, 0.4438

Tritanomaly

13.2097, 0.4654, 0.3635

Monochromacy



Original Color

13.3474, 0.5065, 0.4198

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.2170, 0.3883, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3474, 0.5065, 0.4198 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(150, 87, 19)` looks like.

```
.text, #text, p{  
    color:rgb(150, 87, 19)  
}
```

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(150, 87, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 87, 19) }
```

Border

The CSS property to change the border of an element to Yxy 13.3474, 0.5065, 0.4198 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(150, 87, 19) }
```

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

```
.border{ border-color:rgb(150, 87, 19) }
```

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

Here you see how a box with a 4 pixel rgb(150, 87, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 87, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 87, 19);  
box-shadow:4px 4px 4px 4px rgb(150, 87,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3474, 0.5065, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 87, 19) }
```

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

```
.background{ background-color: rgb(150, 87,  
19) }
```

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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