

Converting Colors

$Y_{xy}(13.1240, 0.4566, 0.4647)$

Have a look what the booklet for
Yxy(13.1240, 0.4566, 0.4647)
contains.

Yxy(13.1244, 0.4565, 0.4645)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1244, 0.4565, 0.4645)

Conversions

Conversions Part 1

Format	Color
Hex	7D620D
RGB	125, 98, 13
RGB Percent	49%, 38%, 5%
CMY	0.5098, 0.6157, 0.9492
CMYK	0.00, 0.22, 0.90, 0.51
HSL	46°, 81%, 27%
HSV	46°, 90%, 49%
XYZ	12.8984, 13.1244, 2.2321
YIQ	96.3830, 43.3770, -20.7110

Conversions

Conversions Part 2

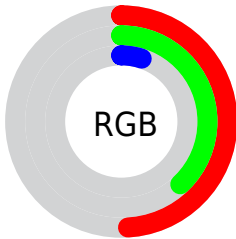
Format	Color
R_{YB}	49, 125, 13
Decimal	8217101
CIE Lab	42.95, 2.85, 46.90
CIE LCh	43, 46.987, 86.526
Yxy	13.1244, 0.4565, 0.4645
Android (android.graphics.Color)	4286407181 (0xFF7D620D)
YUV	96.3830, -41.1078, 25.0971
Hunter-Lab	36.2276, 0.1542, 21.7062

Details

The Yxy color **13.1244, 0.4565, 0.4645** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0802, 0.1684, 0.1122**, and the grayscale version is **11.8885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3969, 0.4276, 0.4383**, and **3.8337, 0.4717, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **12.5439, 0.4672, 0.4669**, and if you desaturate by 10%, it is **13.7427, 0.4441, 0.4591**.

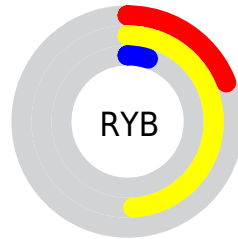
Distribution



Red (49%)

Green (38%)

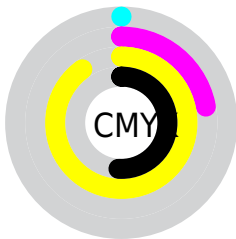
Blue (5%)



Red (19%)

Yellow (49%)

Blue (5%)

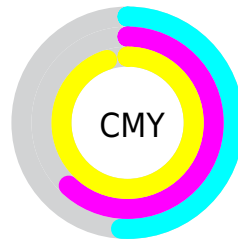


Cyan (0%)

Magenta (22%)

Yellow (90%)

Black (51%)



Cyan (51%)

Magenta (62%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1244, 0.4565, 0.4645 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 13.1244, 0.4565, 0.4645 by changing the saturation by 10% instead.


 13.1244, 0.4565,
0.4645


 13.1244, 0.4565,
0.4645

 211.7134, 0.3766,
0.3910


 7.5143, 0.4753,
0.4804


 31.5271, 0.4272,
0.4384


 3.7857, 0.4999,
0.5001

 45.0884, 0.4160,
0.4281

 1.5544, 0.5042,
0.4958

 62.0690, 0.4066,
0.4193

 0.3266, 0.5377,
0.4623


 82.8531, 0.3987,
0.4119

 0.0000, 0.0000,
0.0000

 107.8252, 0.3919,
0.4055

 137.3697, 0.3861,

0.4000


 171.8710, 0.3810,
0.3952


 13.1244, 0.4565,
0.4645


 13.1244, 0.4565,
0.4645


 12.5439, 0.4672,
0.4669

 13.7427, 0.4441,
0.4591

 12.5237, 0.4676,
0.4669

 14.4061, 0.4293,
0.4495

 15.1182, 0.4128,
0.4362

 15.8818, 0.3952,
0.4203

 16.6993, 0.3773,
0.4025

■ 17.5727, 0.3597,
0.3838

■ 18.5043, 0.3428,
0.3648

■ 19.4958, 0.3269,
0.3463

■ 20.5490, 0.3122,
0.3284

Harmonies

Analogous

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



13.1244, 0.5039, 0.3961



13.1244, 0.4565, 0.4645



13.1244, 0.3757, 0.5119

Triad

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



13.1244, 0.4565, 0.4645



13.1244, 0.1595, 0.2886



13.1244, 0.3168, 0.2167

Complementary

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



13.1244, 0.4565, 0.4645



3.0802, 0.1684, 0.1122

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.



13.1244, 0.2283, 0.1893



13.1244, 0.4565, 0.4645



13.1244, 0.1501, 0.2181

Square

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



13.1244, 0.4565, 0.4645



13.1244, 0.2049, 0.3976



13.1244, 0.1728, 0.1881



13.1244, 0.4199, 0.2658

Rectangle

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



13.1244, 0.4565, 0.4645



13.1244, 0.3144, 0.5096



13.1244, 0.1728, 0.1881



13.1244, 0.2842, 0.2049

Sweetspot

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



13.1250, 0.4565, 0.4645



31.7884, 0.3563, 0.3800



4.8068, 0.5504, 0.2939



7.1304, 0.3610, 0.3851



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.1250, 0.4565, 0.4645



22.1904, 0.4689, 0.4659



17.2391, 0.3780, 0.5283



4.8493, 0.3261, 0.3453



13.0581, 0.4677, 0.4669



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.0802, 0.1684, 0.1122



4.1243, 0.1579, 0.0884



2.2378, 0.1790, 0.0842



4.3671, 0.2993, 0.3122



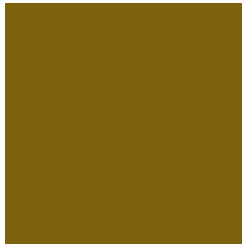
2.5111, 0.1588, 0.0918



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.1244, 0.4565, 0.4645 looks on a white background.

Color Contrast Check

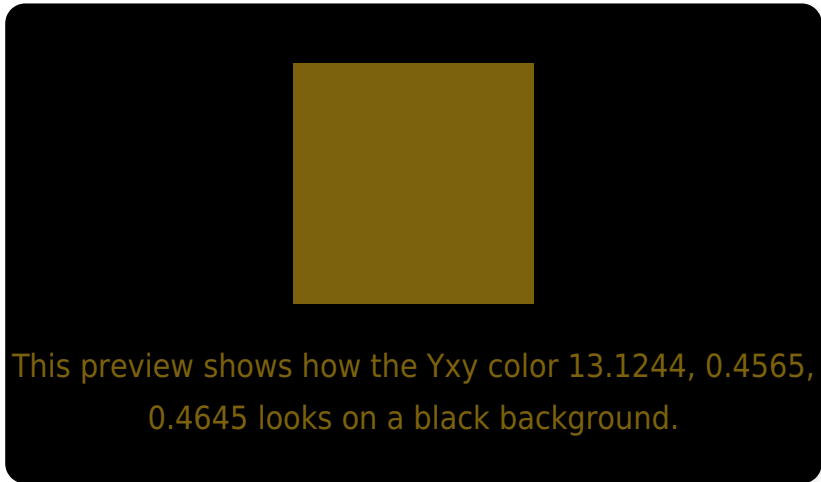
Large Text (above 18pt) WCAG AA ✓ Pass

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

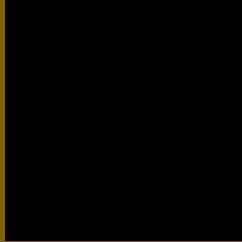
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1244, 0.4565, 0.4645

Background



This preview shows how black text looks on a background with the Yxy color 13.1244, 0.4565, 0.4645.



This preview shows how white text looks on a background with the Yxy color 13.1244, 0.4565, 0.4645.

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

13.1244, 0.4565, 0.4645

Protanopia

13.1793, 0.4341, 0.4808

Deuteranopia

12.9866, 0.4639, 0.4576



Tritanopia

13.1098, 0.3647, 0.3155

Trichromacy



Original Color

13.1244, 0.4565, 0.4645

Protanomaly

13.2610, 0.4419, 0.4749

Deuteranomaly

13.0931, 0.4607, 0.4602

Tritanomaly

12.9998, 0.4093, 0.3823

Monochromacy



Original Color

13.1244, 0.4565, 0.4645

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0685, 0.3739, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1244, 0.4565, 0.4645 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(125, 98, 13)` looks like.

```
.text, #text, p{  
    color:rgb(125, 98, 13)  
}
```

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(125, 98, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 98, 13) }
```

Border

The CSS property to change the border of an element to Yxy 13.1244, 0.4565, 0.4645 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(125, 98, 13) }
```

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

```
.border{ border-color:rgb(125, 98, 13) }
```

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

Here you see how a box with a 4 pixel rgb(125, 98, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 98, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 98, 13);  
box-shadow:4px 4px 4px 4px rgb(125, 98,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1244, 0.4565, 0.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 98, 13) }
```

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

```
.background{ background-color: rgb(125, 98,  
13) }
```

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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