

Converting Colors

$Y_{xy}(13.8382, 0.4458, 0.4608)$

Have a look what the booklet for
Yxy(13.8382, 0.4458, 0.4608)
contains.

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Color

Yxy(13.8089, 0.4466, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	7E6518
RGB	126, 101, 24
RGB Percent	49%, 40%, 9%
CMY	0.5059, 0.6039, 0.9059
CMYK	0.00, 0.20, 0.81, 0.51
HSL	45°, 68%, 29%
HSV	45°, 81%, 49%
XYZ	13.4212, 13.8089, 2.8219
YIQ	99.6970, 39.6170, -18.6470

Conversions

Conversions Part 2

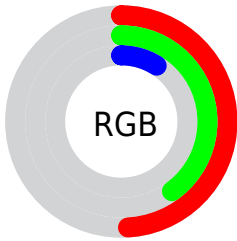
Format	Color
R_{YB}	57, 126, 24
Decimal	8283416
CIE _{Lab}	43.96, 1.93, 44.19
CIE _{LCh}	44, 44.231, 87.499
Yxy	13.8089, 0.4466, 0.4595
Android (android.graphics.Color)	4286473496 (0xFF7E6518)
YUV	99.6970, -37.3186, 23.0677
Hunter-Lab	37.1603, -0.5616, 21.5099

Details

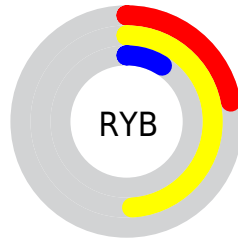
The Yxy color **13.8089, 0.4466, 0.4595** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8947, 0.1785, 0.1327**, and the grayscale version is **12.7520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8960, 0.4189, 0.4339**, and **4.1488, 0.4650, 0.4690** is the 20% darker color. If you saturate the color by 10%, you get **13.1807, 0.4588, 0.4642**, and if you desaturate by 10%, it is **14.4852, 0.4319, 0.4505**.

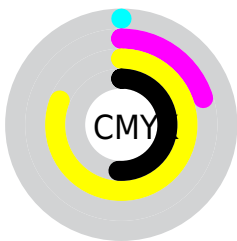
Distribution



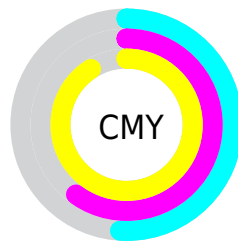
- Red (49%)
- Green (40%)
- Blue (9%)



- Red (22%)
- Yellow (49%)
- Blue (9%)



- Cyan (0%)
- Magenta (20%)
- Yellow (81%)
- Black (51%)





- Cyan (51%)
- Magenta (60%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8089, 0.4466, 0.4595 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 13.8089, 0.4466, 0.4595 by changing the saturation by 10% instead.


 13.8089, 0.4466,
0.4595


 13.8089, 0.4466,
0.4595


216.0387, 0.3718,
0.3877


 7.9879, 0.4644,
0.4757


 32.7496, 0.4188,
0.4333


 4.0872, 0.4957,
0.5043

 46.6380, 0.4083,
0.4232

 1.7225, 0.4984,
0.5016

 63.9843, 0.3995,
0.4148

 0.4381, 0.5141,
0.4859

 85.1730, 0.3922,
0.4076


 0.0000, 0.0000,
0.0000


 110.5884, 0.3859,
0.4015


 140.6149, 0.3805,

0.3963

 175.6368, 0.3759,
0.3917


 13.8089, 0.4466,
0.4595


 13.8089, 0.4466,
0.4595


 13.1807, 0.4588,
0.4642


 14.4852, 0.4319,
0.4505

 12.6427, 0.4685,
0.4662

 15.2109, 0.4155,
0.4377

 15.9893, 0.3979,
0.4221

 16.8229, 0.3799,
0.4046

 17.7141, 0.3621,
0.3860

■ 18.6649, 0.3451,
0.3671

■ 19.6773, 0.3290,
0.3486

■ 20.7530, 0.3141,
0.3307

■ 21.8939, 0.3004,
0.3137

Harmonies

Analogous

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



13.8089, 0.4907, 0.3965



13.8089, 0.4466, 0.4595



13.8089, 0.3708, 0.4994

Triad

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



13.8089, 0.4466, 0.4595



13.8089, 0.1681, 0.2899



13.8089, 0.3201, 0.2247

Complementary

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



13.8089, 0.4466, 0.4595



3.8947, 0.1785, 0.1327

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.



13.8089, 0.2363, 0.1979



13.8089, 0.4466, 0.4595



13.8089, 0.1597, 0.2244

Square

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



13.8089, 0.4466, 0.4595



13.8089, 0.2107, 0.3890



13.8089, 0.1824, 0.1962



13.8089, 0.4150, 0.2720

Rectangle

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



13.8089, 0.4466, 0.4595



13.8089, 0.3131, 0.4937



13.8089, 0.1824, 0.1962



13.8089, 0.2895, 0.2132

Sweetspot

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



13.8096, 0.4466, 0.4595



32.2456, 0.3511, 0.3740



5.3137, 0.5190, 0.2905



7.2228, 0.3561, 0.3795



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.



13.8096, 0.4466, 0.4595



22.3418, 0.4669, 0.4650



17.7215, 0.3775, 0.5173



4.8466, 0.3261, 0.3452



12.9664, 0.4686, 0.4661



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.8947, 0.1785, 0.1327



4.4597, 0.1604, 0.0944



2.8245, 0.1908, 0.1002



4.3696, 0.2993, 0.3123



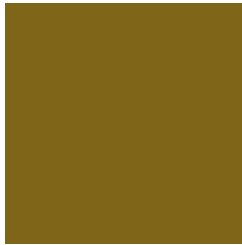
2.5372, 0.1591, 0.0926



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.8089, 0.4466, 0.4595 looks on a white background.

Color Contrast Check

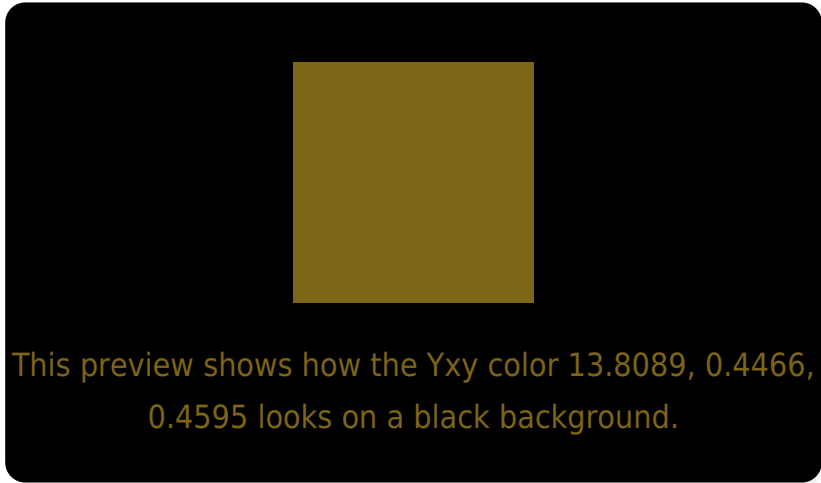
Large Text (above 18pt) WCAG AA ✓ Pass

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

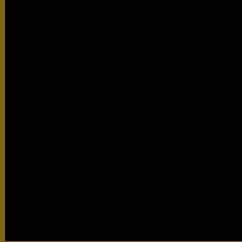
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8089, 0.4466, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 13.8089, 0.4466, 0.4595.



This preview shows how white text looks on a background with the Yxy color 13.8089, 0.4466, 0.4595.

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

13.8089, 0.4466, 0.4595

Protanopia

13.7527, 0.4278, 0.4721

Deuteranopia

13.8192, 0.4564, 0.4506



Tritanopia

13.7703, 0.3602, 0.3157

Trichromacy



Original Color

13.8089, 0.4466, 0.4595

Protanomaly

13.7638, 0.4338, 0.4675

Deuteranomaly

13.8517, 0.4519, 0.4541

Tritanomaly

13.6976, 0.3991, 0.3762

Monochromacy



Original Color

13.8089, 0.4466, 0.4595

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8334, 0.3664, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8089, 0.4466, 0.4595 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(126, 101, 24)` looks like.

```
.text, #text, p{  
    color:rgb(126, 101, 24)  
}
```

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(126, 101, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 101, 24) }
```

Border

The CSS property to change the border of an element to Yxy 13.8089, 0.4466, 0.4595 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(126, 101, 24) }
```

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

```
.border{ border-color:rgb(126, 101, 24) }
```

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

Here you see how a box with a 4 pixel rgb(126, 101, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 101, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 101, 24);  
box-shadow:4px 4px 4px 4px rgb(126, 101,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8089, 0.4466, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 101, 24) }
```

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

```
.background{ background-color: rgb(126,  
101, 24) }
```

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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