

Converting Colors

$Y_{xy}(13.1826, 0.4145, 0.4486)$

Have a look what the booklet for
Yxy(13.1826, 0.4145, 0.4486)
contains.

Yxy(13.1123, 0.4148, 0.4486)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1123, 0.4148, 0.4486)

Conversions

Conversions Part 1

Format	Color
Hex	736529
RGB	115, 101, 41
RGB Percent	45%, 40%, 16%
CMY	0.5490, 0.6039, 0.8391
CMYK	0.00, 0.12, 0.64, 0.55
HSL	49°, 47%, 31%
HSV	49°, 64%, 45%
XYZ	12.1243, 13.1123, 3.9927
YIQ	98.3460, 27.6040, -15.6920

Conversions

Conversions Part 2

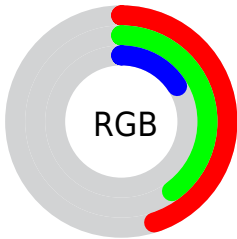
Format	Color
RYB	58, 115, 41
Decimal	7562537
CIELab	42.93, -2.32, 35.16
CIElCh	43, 35.238, 93.776
Yxy	13.1123, 0.4148, 0.4486
Android (android.graphics.Color)	4285752617 (0xFF736529)
YUV	98.3460, -28.2716, 14.6056
Hunter-Lab	36.2109, -3.6027, 18.8101

Details

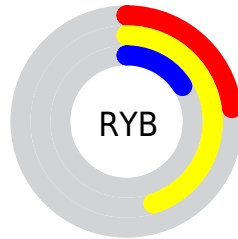
The Yxy color **13.1123, 0.4148, 0.4486** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.4450, 0.2020, 0.1670**, and the grayscale version is **12.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6128, 0.3919, 0.4214**, and **3.8224, 0.4430, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **12.6270, 0.4288, 0.4611**, and if you desaturate by 10%, it is **13.6335, 0.3992, 0.4330**.

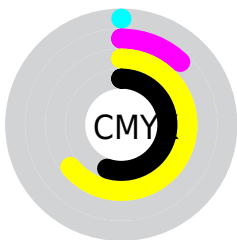
Distribution



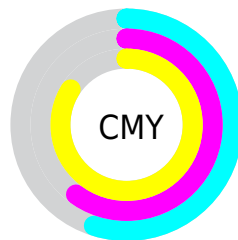
- Red (45%)
- Green (40%)
- Blue (16%)



- Red (23%)
- Yellow (45%)
- Blue (16%)



- Cyan (0%)
- Magenta (12%)
- Yellow (64%)
- Black (55%)





- Cyan (55%)
- Magenta (60%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1123, 0.4148, 0.4486 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 13.1123, 0.4148, 0.4486 by changing the saturation by 10% instead.


 13.1123, 0.4148,
0.4486


 13.1123, 0.4148,
0.4486


 211.6361, 0.3561,
0.3788


 7.5059, 0.4306,
0.4683


 31.5054, 0.3920,
0.4210


 3.7805, 0.4575,
0.5019

 45.0609, 0.3838,
0.4112

 1.5515, 0.4732,
0.5268


 62.0349, 0.3771,
0.4033

 0.3246, 0.4369,
0.5631

 82.8118, 0.3714,
0.3967

 0.0000, 0.0000,
0.0000

 107.7759, 0.3667,
0.3911

 137.3118, 0.3627,

0.3864

171.8037, 0.3592,
0.3823

■ 13.1123, 0.4148,
0.4486

■ 13.1123, 0.4148,
0.4486

■ 12.6270, 0.4288,
0.4611

■ 13.6335, 0.3992,
0.4330

■ 12.1735, 0.4407,
0.4697

■ 14.1907, 0.3828,
0.4152

■ 11.7492, 0.4502,
0.4744

■ 14.7863, 0.3661,
0.3959

■ 11.5154, 0.4555,
0.4766

■ 15.4219, 0.3496,
0.3761

■ 16.0989, 0.3338,
0.3563

■ 16.8188, 0.3189,
0.3371

■ 17.5829, 0.3049,
0.3187

■ 18.3925, 0.2922,
0.3013

■ 19.2487, 0.2805,
0.2852

Harmonies

Analogous

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



13.1123, 0.4559, 0.4013



13.1123, 0.4148, 0.4486



13.1123, 0.3492, 0.4674

Triad

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



13.1123, 0.4148, 0.4486



13.1123, 0.1877, 0.2852



13.1123, 0.3360, 0.2487

Complementary

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



13.1123, 0.4148, 0.4486



4.4450, 0.2020, 0.1670

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.



13.1123, 0.2630, 0.2214



13.1123, 0.4148, 0.4486



13.1123, 0.1854, 0.2358

Square

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



13.1123, 0.4148, 0.4486



13.1123, 0.2192, 0.3606



13.1123, 0.2109, 0.2159



13.1123, 0.4102, 0.2925

Rectangle

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



13.1123, 0.4148, 0.4486



13.1123, 0.3008, 0.4519



13.1123, 0.2109, 0.2159



13.1123, 0.3103, 0.2374

Sweetspot

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



13.1129, 0.4148, 0.4486



28.1921, 0.3419, 0.3665



5.5167, 0.4654, 0.2995



6.6594, 0.3456, 0.3711



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.1129, 0.4148, 0.4486



22.2232, 0.4347, 0.4656



14.7383, 0.3660, 0.4892



4.1542, 0.3258, 0.3461



13.1363, 0.4557, 0.4763



62.8372, 0.4580, 0.4745

Inverse Universe

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



4.4450, 0.2020, 0.1670



5.4462, 0.1790, 0.1273



3.8901, 0.2246, 0.1468



3.6918, 0.2995, 0.3113



2.0342, 0.1563, 0.0826



8.9515, 0.1544, 0.0756

Previews

White Background



This preview shows how the Yxy color 13.1123, 0.4148, 0.4486 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 13.1123, 0.4148, 0.4486 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 13.1123, 0.4148, 0.4486

Background



This preview shows how black text looks on a background with the Yxy color 13.1123, 0.4148, 0.4486.



This preview shows how white text looks on a background with the Yxy color 13.1123, 0.4148, 0.4486.

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

13.1123, 0.4148, 0.4486

Protanopia

13.1735, 0.4104, 0.4520

Deuteranopia

13.1522, 0.4363, 0.4315



Tritanopia

13.1368, 0.3412, 0.3148

Trichromacy



Original Color

13.1123, 0.4148, 0.4486

Protanomaly

13.2402, 0.4120, 0.4512

Deuteranomaly

13.0401, 0.4287, 0.4364

Tritanomaly

12.9801, 0.3709, 0.3649

Monochromacy



Original Color

13.1123, 0.4148, 0.4486

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4026, 0.3518, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1123, 0.4148, 0.4486 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(115, 101, 41)` looks like.

```
.text, #text, p{  
    color:rgb(115, 101, 41)  
}
```

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(115, 101, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 101, 41) }
```

Border

The CSS property to change the border of an element to Yxy 13.1123, 0.4148, 0.4486 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(115, 101, 41) }
```

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

```
.border{ border-color:rgb(115, 101, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 101, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 101, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 101, 41);  
box-shadow:4px 4px 4px 4px rgb(115, 101,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1123, 0.4148, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 101, 41) }
```

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

```
.background{ background-color: rgb(115,  
101, 41) }
```

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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