

Converting Colors

$Y_{xy}(11.8645, 0.4291, 0.4482)$

Have a look what the booklet for
Yxy(11.8645, 0.4291, 0.4482)
contains.

Yxy(11.8832, 0.4277, 0.4483)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.8832, 0.4277, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	725F23
RGB	114, 95, 35
RGB Percent	45%, 37%, 14%
CMY	0.5529, 0.6275, 0.8627
CMYK	0.00, 0.17, 0.69, 0.55
HSL	46°, 53%, 29%
HSV	46°, 69%, 45%
XYZ	11.3372, 11.8832, 3.2869
YIQ	93.8410, 30.5840, -14.6320

Conversions

Conversions Part 2

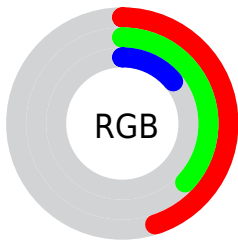
Format	Color
RYB	60, 114, 35
Decimal	7495459
CIELab	41.03, 0.31, 36.05
CIELCh	41, 36.055, 89.510
Yxy	11.8832, 0.4277, 0.4483
Android (android.graphics.Color)	4285685539 (0xFF725F23)
YUV	93.8410, -29.0086, 17.6794
Hunter-Lab	34.4720, -1.6210, 18.4771

Details

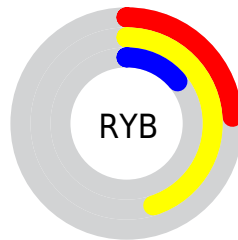
The Yxy color **11.8832, 0.4277, 0.4483** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.2145, 0.1963, 0.1637**, and the grayscale version is **11.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2002, 0.4012, 0.4208**, and **3.2866, 0.4613, 0.4719** is the 20% darker color. If you saturate the color by 10%, you get **11.3408, 0.4425, 0.4583**, and if you desaturate by 10%, it is **12.4663, 0.4112, 0.4349**.

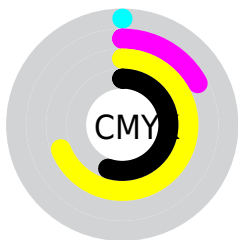
Distribution



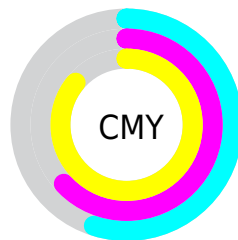
- Red (45%)
- Green (37%)
- Blue (14%)



- Red (24%)
- Yellow (45%)
- Blue (14%)



- Cyan (0%)
- Magenta (17%)
- Yellow (69%)
- Black (55%)




- Cyan (55%)
- Magenta (63%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8832, 0.4277, 0.4483 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 11.8832, 0.4277, 0.4483 by changing the saturation by 10% instead.


 11.8832, 0.4277,
0.4483


 11.8832, 0.4277,
0.4483


203.6305, 0.3607,
0.3789


 6.6642, 0.4459,
0.4670


 29.2822, 0.4015,
0.4212

 3.2530, 0.4877,
0.5101

 42.2310, 0.3921,
0.4115

 1.2652, 0.4893,
0.5107

 58.5251, 0.3844,
0.4035

 0.1140, 0.5041,
0.4959

 78.5491, 0.3780,
0.3969

 0.0000, 0.0000,
0.0000

 102.6872, 0.3726,
0.3913

 131.3239, 0.3680,

0.3866

164.8435, 0.3641,
0.3825

11.8832, 0.4277,
0.4483

11.8832, 0.4277,
0.4483

11.3408, 0.4425,
0.4583

12.4663, 0.4112,
0.4349

10.8348, 0.4551,
0.4641

13.0903, 0.3937,
0.4189

10.3579, 0.4662,
0.4672

13.7579, 0.3760,
0.4012

10.3250, 0.4670,
0.4674

14.4706, 0.3586,
0.3826

15.2301, 0.3420,
0.3638

■ 16.0380, 0.3263,
0.3455

■ 16.8956, 0.3117,
0.3278

■ 17.8042, 0.2984,
0.3111

■ 18.7652, 0.2863,
0.2954

Harmonies

Analogous

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



11.8832, 0.4664, 0.3957



11.8832, 0.4277, 0.4483



11.8832, 0.3610, 0.4756

Triad

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



11.8832, 0.4277, 0.4483



11.8832, 0.1843, 0.2922



11.8832, 0.3254, 0.2395

Complementary

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



11.8832, 0.4277, 0.4483



4.2145, 0.1963, 0.1637

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.



11.8832, 0.2509, 0.2141



11.8832, 0.4277, 0.4483



11.8832, 0.1780, 0.2361

Square

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



11.8832, 0.4277, 0.4483



11.8832, 0.2213, 0.3746



11.8832, 0.2003, 0.2116



11.8832, 0.4057, 0.2831

Rectangle

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



11.8832, 0.4277, 0.4483



11.8832, 0.3103, 0.4655



11.8832, 0.2003, 0.2116



11.8832, 0.2986, 0.2287

Sweetspot

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



11.8838, 0.4277, 0.4483



26.4467, 0.3456, 0.3680



5.0550, 0.4726, 0.2904



6.0520, 0.3490, 0.3719



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.8838, 0.4277, 0.4483



19.3946, 0.4502, 0.4622



14.5546, 0.3737, 0.4960



3.7868, 0.3258, 0.3449



11.4629, 0.4673, 0.4672



55.7143, 0.4705, 0.4646

Inverse Universe

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



4.2145, 0.1963, 0.1637



5.0476, 0.1742, 0.1240



3.2236, 0.2106, 0.1305



3.4189, 0.2996, 0.3126



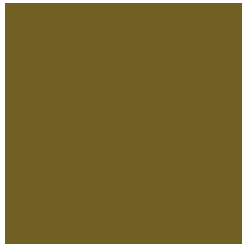
2.2243, 0.1591, 0.0927



9.9229, 0.1568, 0.0844

Previews

White Background



This preview shows how the Yxy color 11.8832, 0.4277, 0.4483 looks on a white background.

Color Contrast Check

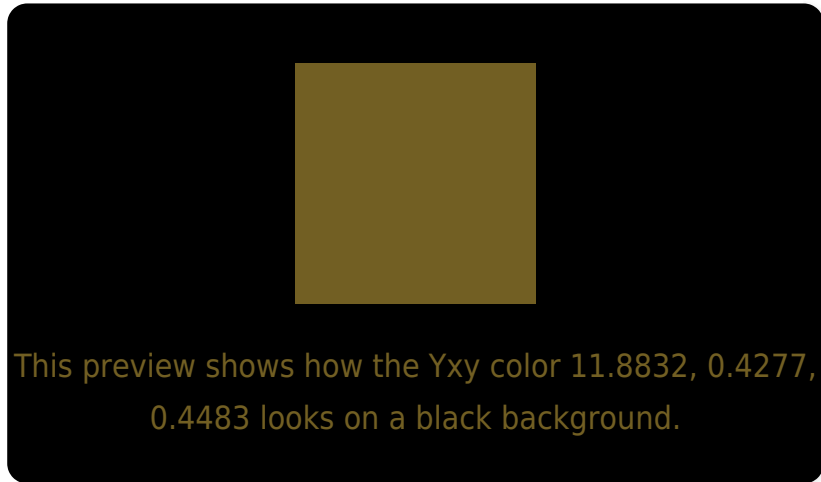
Large Text (above 18pt) WCAG AA ✓ Pass

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

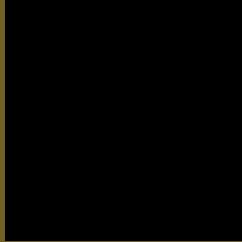
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8832, 0.4277, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 11.8832, 0.4277, 0.4483.



This preview shows how white text looks on a background with the Yxy color 11.8832, 0.4277, 0.4483.

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

11.8832, 0.4277, 0.4483

Protanopia

11.8649, 0.4140, 0.4558

Deuteranopia

11.8466, 0.4423, 0.4356



Tritanopia

11.9112, 0.3510, 0.3145

Trichromacy



Original Color

11.8832, 0.4277, 0.4483

Protanomaly

11.8081, 0.4186, 0.4522

Deuteranomaly

11.8076, 0.4360, 0.4399

Tritanomaly

11.7585, 0.3827, 0.3655

Monochromacy



Original Color

11.8832, 0.4277, 0.4483

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2531, 0.3554, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8832, 0.4277, 0.4483 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(114, 95, 35)` looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 35)  
}
```

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(114, 95, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 35) }
```

Border

The CSS property to change the border of an element to Yxy 11.8832, 0.4277, 0.4483 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(114, 95, 35) }
```

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

```
.border{ border-color:rgb(114, 95, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 35);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8832, 0.4277, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 35) }
```

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

```
.background{ background-color: rgb(114, 95,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor