

Converting Colors

$Y_{xy}(10.6348, 0.4424, 0.4290)$

Have a look what the booklet for
Yxy(10.6348, 0.4424, 0.4290)
contains.

Yxy(10.6630, 0.4406, 0.4293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6630, 0.4406, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	745725
RGB	116, 87, 37
RGB Percent	45%, 34%, 15%
CMY	0.5451, 0.6588, 0.8549
CMYK	0.00, 0.25, 0.68, 0.55
HSL	38°, 52%, 30%
HSV	38°, 68%, 45%
XYZ	10.9437, 10.6630, 3.2314
YIQ	89.9710, 33.3340, -9.4020

Conversions

Conversions Part 2

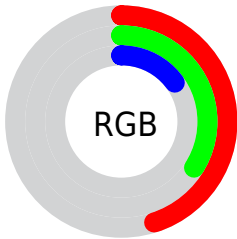
Format	Color
RYB	83, 116, 37
Decimal	7624485
CIELab	39.01, 6.15, 32.92
CIElCh	39, 33.487, 79.423
Yxy	10.6630, 0.4406, 0.4293
Android (android.graphics.Color)	4285814565 (0xFF745725)
YUV	89.9710, -26.1147, 22.8274
Hunter-Lab	32.6542, 2.6771, 16.9907

Details

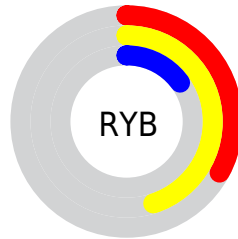
The Yxy color **10.6630, 0.4406, 0.4293** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.5484, 0.2043, 0.1934**, and the grayscale version is **10.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1893, 0.4098, 0.4075**, and **2.7797, 0.4879, 0.4508** is the 20% darker color. If you saturate the color by 10%, you get **9.9329, 0.4607, 0.4376**, and if you desaturate by 10%, it is **11.4580, 0.4196, 0.4176**.

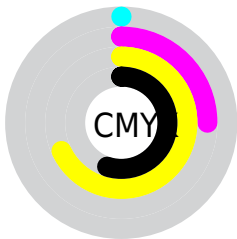
Distribution



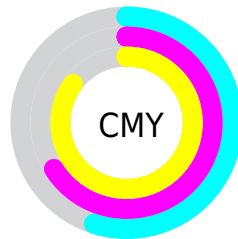
- Red (45%)
- Green (34%)
- Blue (15%)



- Red (33%)
- Yellow (45%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (68%)
- Black (55%)





- Cyan (55%)
- Magenta (66%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6630, 0.4406, 0.4293 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 10.6630, 0.4406, 0.4293 by changing the saturation by 10% instead.


 10.6630, 0.4406,
0.4293


 10.6630, 0.4406,
0.4293


195.3407, 0.3636,
0.3715


 5.8407, 0.4635,
0.4441


 27.0353, 0.4094,
0.4070


 2.7485, 0.5172,
0.4828


 39.3541, 0.3986,
0.3989


 1.0019, 0.5289,
0.4711

 54.9405, 0.3899,
0.3923

 0.0000, 1.0000,
0.0000

 74.1789, 0.3827,
0.3867

 0.0000, 0.0000,
0.0000

 97.4538, 0.3767,
0.3820

 125.1494, 0.3717,

0.3780

157.6503, 0.3674,
0.3745

10.6630, 0.4406,
0.4293

10.6630, 0.4406,
0.4293

9.9329, 0.4607,
0.4376

11.4580, 0.4196,
0.4176

9.2630, 0.4787,
0.4417

12.3190, 0.3985,
0.4036

8.6468, 0.4951,
0.4424

13.2488, 0.3780,
0.3883

8.5344, 0.4984,
0.4425

14.2499, 0.3588,
0.3723

15.3242, 0.3410,
0.3564

■ 16.4738, 0.3247,
0.3410

■ 17.7006, 0.3101,
0.3263

■ 19.0064, 0.2969,
0.3125

■ 20.3930, 0.2852,
0.2996

Harmonies

Analogous

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



10.6630, 0.4644, 0.3754



10.6630, 0.4406, 0.4293



10.6630, 0.3834, 0.4660

Triad

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



10.6630, 0.4406, 0.4293



10.6630, 0.1973, 0.3187



10.6630, 0.2990, 0.2318

Complementary

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



10.6630, 0.4406, 0.4293



5.5484, 0.2043, 0.1934

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.



10.6630, 0.2336, 0.2141



10.6630, 0.4406, 0.4293



10.6630, 0.1810, 0.2543

Square

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



10.6630, 0.4406, 0.4293



10.6630, 0.2430, 0.4004



10.6630, 0.1935, 0.2203



10.6630, 0.3775, 0.2689

Rectangle

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



10.6630, 0.4406, 0.4293



10.6630, 0.3357, 0.4682



10.6630, 0.1935, 0.2203



10.6630, 0.2748, 0.2235

Sweetspot

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



10.6635, 0.4406, 0.4293



26.4757, 0.3451, 0.3602



5.4440, 0.4384, 0.2686



6.2148, 0.3490, 0.3638



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.



10.6635, 0.4406, 0.4293



16.7470, 0.4718, 0.4406



15.7340, 0.3885, 0.4846



4.0511, 0.3262, 0.3424



9.5434, 0.4989, 0.4421



44.8303, 0.5043, 0.4377

Inverse Universe

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



5.5484, 0.2043, 0.1934



7.1304, 0.1834, 0.1569



3.1697, 0.1981, 0.1268



3.7896, 0.2995, 0.3152



3.2850, 0.1675, 0.1230



14.4969, 0.1649, 0.1136

Previews

White Background



This preview shows how the Yxy color 10.6630, 0.4406, 0.4293 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 10.6630, 0.4406, 0.4293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

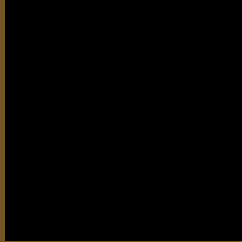
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6630, 0.4406, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 10.6630, 0.4406, 0.4293.



This preview shows how white text looks on a background with the Yxy color 10.6630, 0.4406, 0.4293.

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

10.6630, 0.4406, 0.4293

Protanopia

10.6843, 0.4089, 0.4464

Deuteranopia

10.7579, 0.4374, 0.4320



Tritanopia

10.7322, 0.3694, 0.3166

Trichromacy



Original Color

10.6630, 0.4406, 0.4293

Protanomaly

10.6404, 0.4214, 0.4400

Deuteranomaly

10.7579, 0.4374, 0.4320

Tritanomaly

10.6923, 0.4002, 0.3611

Monochromacy



Original Color

10.6630, 0.4406, 0.4293

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2523, 0.3580, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6630, 0.4406, 0.4293 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(116, 87, 37)` looks like.

```
.text, #text, p{  
    color:rgb(116, 87, 37)  
}
```

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(116, 87, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 87, 37) }
```

Border

The CSS property to change the border of an element to Yxy 10.6630, 0.4406, 0.4293 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(116, 87, 37) }
```

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

```
.border{ border-color:rgb(116, 87, 37) }
```

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

Here you see how a box with a 4 pixel rgb(116, 87, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 87, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 87, 37);  
box-shadow:4px 4px 4px 4px rgb(116, 87,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6630, 0.4406, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 87, 37) }
```

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

```
.background{ background-color: rgb(116, 87,  
37) }
```

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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