

Converting Colors

$Y_{xy}(10.2901, 0.4392, 0.4366)$

Have a look what the booklet for
Yxy(10.2901, 0.4392, 0.4366)
contains.

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Color

Yxy(10.2158, 0.4390, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	705622
RGB	112, 86, 34
RGB Percent	44%, 34%, 13%
CMY	0.5608, 0.6627, 0.8666
CMYK	0.00, 0.23, 0.70, 0.56
HSL	40°, 53%, 29%
HSV	40°, 70%, 44%
XYZ	10.2979, 10.2158, 2.9439
YIQ	87.8460, 32.1880, -10.6600

Conversions

Conversions Part 2

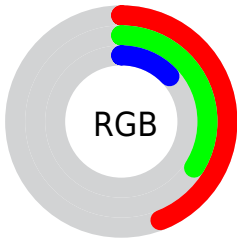
Format	Color
RYB	73, 112, 34
Decimal	7362082
CIELab	38.23, 4.63, 33.47
CIELCh	38, 33.785, 82.129
Yxy	10.2158, 0.4390, 0.4355
Android (android.graphics.Color)	4285552162 (0xFF705622)
YUV	87.8460, -26.5461, 21.1831
Hunter-Lab	31.9622, 1.5772, 16.9125

Details

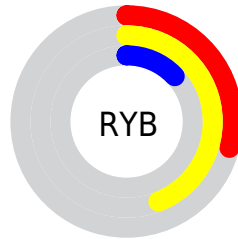
The Yxy color **10.2158, 0.4390, 0.4355** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.7422, 0.2007, 0.1830**, and the grayscale version is **9.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3094, 0.4077, 0.4123**, and **2.5780, 0.4810, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **9.5813, 0.4574, 0.4439**, and if you desaturate by 10%, it is **10.9035, 0.4194, 0.4237**.

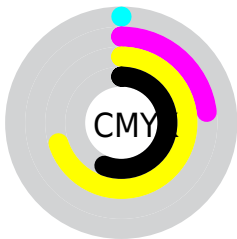
Distribution



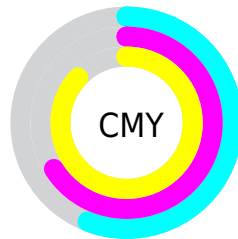
- Red (44%)
- Green (34%)
- Blue (13%)



- Red (29%)
- Yellow (44%)
- Blue (13%)



- Cyan (0%)
- Magenta (23%)
- Yellow (70%)
- Black (56%)





- Cyan (56%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2158, 0.4390, 0.4355 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 10.2158, 0.4390, 0.4355 by changing the saturation by 10% instead.


 10.2158, 0.4390,
0.4355


 10.2158, 0.4390,
0.4355


192.2054, 0.3630,
0.3735


 5.5423, 0.4614,
0.4517

 26.2006, 0.4082,
0.4114


 2.5688, 0.5105,
0.4895


 38.2807, 0.3975,
0.4027

 0.9110, 0.5198,
0.4802

 53.5984, 0.3889,
0.3955

 0.0000, 0.0000,
0.0000

 72.5382, 0.3818,
0.3896

 95.4843, 0.3759,
0.3846

 122.8213, 0.3709,

0.3803

154.9336, 0.3667,
0.3767

10.2158, 0.4390,
0.4355

10.2158, 0.4390,
0.4355

9.5813, 0.4574,
0.4439

10.9035, 0.4194,
0.4237

8.9959, 0.4736,
0.4481

11.6453, 0.3993,
0.4093

8.4514, 0.4887,
0.4496

12.4437, 0.3796,
0.3935

8.4314, 0.4893,
0.4497

13.3006, 0.3608,
0.3769

14.2180, 0.3432,
0.3602

■ 15.1974, 0.3269,
0.3440

■ 16.2405, 0.3122,
0.3284

■ 17.3488, 0.2989,
0.3138

■ 18.5239, 0.2869,
0.3001

Harmonies

Analogous

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



10.2158, 0.4674, 0.3811



10.2158, 0.4390, 0.4355



10.2158, 0.3783, 0.4708

Triad

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



10.2158, 0.4390, 0.4355



10.2158, 0.1921, 0.3111



10.2158, 0.3056, 0.2325

Complementary

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



10.2158, 0.4390, 0.4355



4.7422, 0.2007, 0.1830

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.



10.2158, 0.2369, 0.2126



10.2158, 0.4390, 0.4355



10.2158, 0.1784, 0.2481

Square

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



10.2158, 0.4390, 0.4355



10.2158, 0.2360, 0.3948



10.2158, 0.1937, 0.2164



10.2158, 0.3860, 0.2718

Rectangle

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



10.2158, 0.4390, 0.4355



10.2158, 0.3291, 0.4701



10.2158, 0.1937, 0.2164



10.2158, 0.2804, 0.2235

Sweetspot

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



10.2163, 0.4390, 0.4355



24.6630, 0.3465, 0.3634



4.9157, 0.4537, 0.2764



5.8429, 0.3501, 0.3669



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.



10.2163, 0.4390, 0.4355



16.1489, 0.4684, 0.4472



14.3541, 0.3835, 0.4903



3.7380, 0.3260, 0.3430



9.7064, 0.4899, 0.4492



46.7192, 0.4949, 0.4453

Inverse Universe

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



4.7422, 0.2007, 0.1830



5.9009, 0.1791, 0.1442



2.9196, 0.2010, 0.1257



3.4653, 0.2996, 0.3146



2.8660, 0.1651, 0.1144



12.8367, 0.1625, 0.1048

Previews

White Background



This preview shows how the Yxy color 10.2158, 0.4390, 0.4355 looks on a white background.

Color Contrast Check

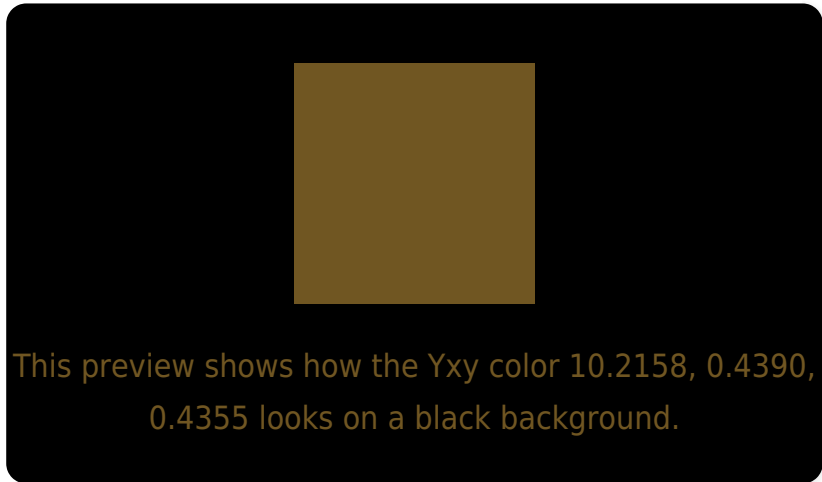
Large Text (above 18pt) WCAG AA ✓ Pass

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

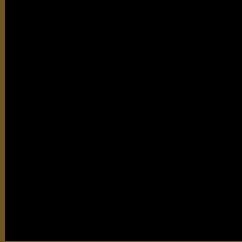
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2158, 0.4390, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 10.2158, 0.4390, 0.4355.



This preview shows how white text looks on a background with the Yxy color 10.2158, 0.4390, 0.4355.

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

10.2158, 0.4390, 0.4355

Protanopia

10.2004, 0.4128, 0.4515

Deuteranopia

10.2818, 0.4407, 0.4346



Tritanopia

10.2860, 0.3648, 0.3162

Trichromacy



Original Color

10.2158, 0.4390, 0.4355

Protanomaly

10.2694, 0.4212, 0.4459

Deuteranomaly

10.2818, 0.4407, 0.4346

Tritanomaly

10.2487, 0.3958, 0.3620

Monochromacy



Original Color

10.2158, 0.4390, 0.4355

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7751, 0.3606, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2158, 0.4390, 0.4355 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(112, 86, 34)` looks like.

```
.text, #text, p{  
    color:rgb(112, 86, 34)  
}
```

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(112, 86, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 86, 34) }
```

Border

The CSS property to change the border of an element to Yxy 10.2158, 0.4390, 0.4355 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(112, 86, 34) }
```

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

```
.border{ border-color:rgb(112, 86, 34) }
```

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

Here you see how a box with a 4 pixel rgb(112, 86, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 86, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 86, 34);  
box-shadow:4px 4px 4px 4px rgb(112, 86,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2158, 0.4390, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 86, 34) }
```

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

```
.background{ background-color: rgb(112, 86,  
34) }
```

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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