

Converting Colors

$Y_{xy}(10.9656, 0.4610, 0.4722)$

Have a look what the booklet for
Yxy(10.9656, 0.4610, 0.4722)
contains.

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Color

Yxy(10.9572, 0.4617, 0.4716)

Conversions

Conversions Part 1

Format	Color
Hex	735A00
RGB	115, 90, 0
RGB Percent	45%, 35%, 0%
CMY	0.5490, 0.6471, 1.0000
CMYK	0.00, 0.22, 1.00, 0.55
HSL	47°, 100%, 23%
HSV	47°, 100%, 45%
XYZ	10.7272, 10.9572, 1.5497
YIQ	87.2150, 43.7900, -22.6900

Conversions

Conversions Part 2

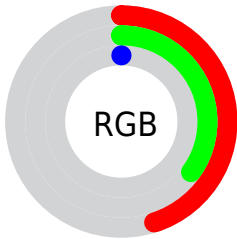
Format	Color
R_YB	32, 115, 0
Decimal	7559680
CIE Lab	39.51, 2.37, 47.24
CIE LCh	40, 47.295, 87.126
Yxy	10.9572, 0.4617, 0.4716
Android (android.graphics.Color)	4285749760 (0xFF735A00)
YUV	87.2150, -42.9970, 24.3674
Hunter-Lab	33.1017, -0.0818, 20.3954

Details

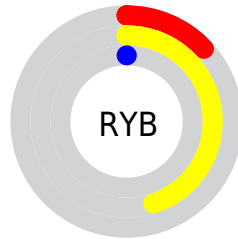
The Yxy color **10.9572, 0.4617, 0.4716** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9340, 0.1580, 0.0888**, and the grayscale version is **9.6679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7095, 0.4311, 0.4439**, and **2.9009, 0.4694, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **10.9574, 0.4617, 0.4716**, and if you desaturate by 10%, it is **11.4121, 0.4515, 0.4682**.

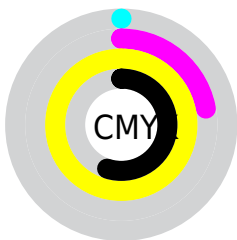
Distribution



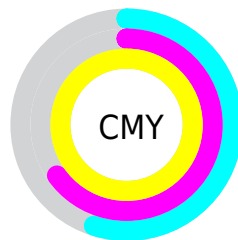
- Red (45%)
- Green (35%)
- Blue (0%)



- Red (13%)
- Yellow (45%)
- Blue (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (100%)
- Black (55%)





- Cyan (55%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9572, 0.4617, 0.4716 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 10.9572, 0.4617, 0.4716 by changing the saturation by 10% instead.


 10.9572, 0.4617,
0.4716


 10.9572, 0.4617,
0.4716


 197.3737, 0.3779,
0.3931


 6.0381, 0.4860,
0.4932

 27.5810, 0.4311,
0.4438


 2.8682, 0.4988,
0.5012

 40.0544, 0.4193,
0.4328


 1.0633, 0.5033,
0.4967

 55.8148, 0.4094,
0.4234

 0.0000, 1.0000,
0.0000


 75.2464, 0.4010,
0.4154


 0.0000, 0.0000,
0.0000

 98.7337, 0.3939,
0.4086

 126.6611, 0.3878,


0.4027


 159.4130, 0.3825,
0.3976


 10.9572, 0.4617,
0.4716


 10.9572, 0.4617,
0.4716


 10.9574, 0.4617,
0.4716

 11.4121, 0.4515,
0.4682

 11.8920, 0.4401,
0.4624

 12.4064, 0.4262,
0.4524

 12.9578, 0.4105,
0.4388

 13.5482, 0.3938,
0.4226

■ 14.1795, 0.3765,
0.4045

■ 14.8535, 0.3594,
0.3855

■ 15.5718, 0.3429,
0.3662

■ 16.3358, 0.3273,
0.3473

Harmonies

Analogous

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



10.9572, 0.5144, 0.3987



10.9572, 0.4617, 0.4716



10.9572, 0.3754, 0.5243

Triad

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



10.9572, 0.4617, 0.4716



10.9572, 0.1505, 0.2829



10.9572, 0.3187, 0.2115

Complementary

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



10.9572, 0.4617, 0.4716



1.9340, 0.1580, 0.0888

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.



10.9572, 0.2246, 0.1824



10.9572, 0.4617, 0.4716



10.9572, 0.1420, 0.2100

Square

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



10.9572, 0.4617, 0.4716



10.9572, 0.1964, 0.3998



10.9572, 0.1662, 0.1802



10.9572, 0.4290, 0.2629

Rectangle

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



10.9572, 0.4617, 0.4716



10.9572, 0.3107, 0.5228



10.9572, 0.1662, 0.1802



10.9572, 0.2839, 0.1990

Sweetspot

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



10.9577, 0.4617, 0.4716



26.4956, 0.3608, 0.3870



3.7239, 0.5882, 0.3014



6.2230, 0.3665, 0.3935



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.



10.9577, 0.4617, 0.4716



19.4211, 0.4630, 0.4706



14.1637, 0.3748, 0.5406



4.1376, 0.3259, 0.3455



12.4931, 0.4620, 0.4713



59.5863, 0.4648, 0.4692

Inverse Universe

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



1.9340, 0.1580, 0.0888



3.2886, 0.1569, 0.0849



1.5245, 0.1698, 0.0709



3.7072, 0.2995, 0.3119



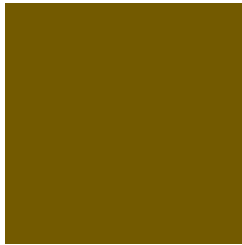
2.1815, 0.1577, 0.0878



9.5661, 0.1556, 0.0801

Previews

White Background



This preview shows how the Yxy color 10.9572, 0.4617, 0.4716 looks on a white background.

Color Contrast Check

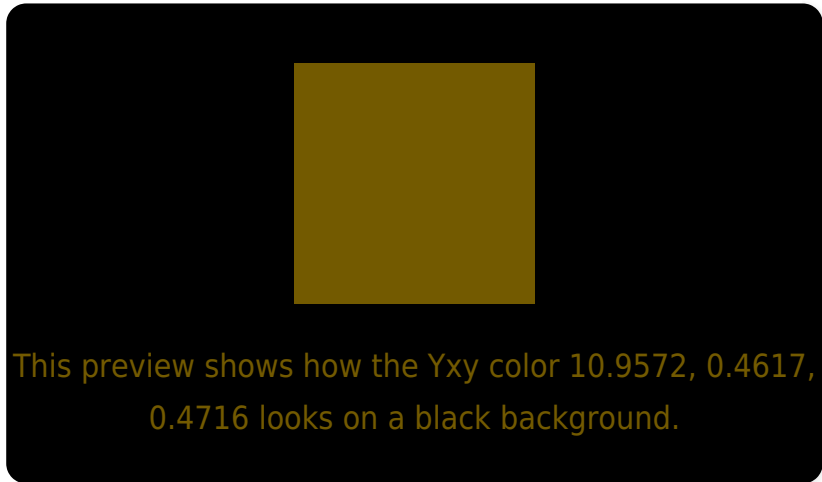
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9572, 0.4617, 0.4716

Background



This preview shows how black text looks on a background with the Yxy color 10.9572, 0.4617, 0.4716.



This preview shows how white text looks on a background with the Yxy color 10.9572, 0.4617, 0.4716.

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

10.9572, 0.4617, 0.4716

Protanopia

11.0218, 0.4351, 0.4863

Deuteranopia

11.0095, 0.4654, 0.4626



Tritanopia

11.0719, 0.3649, 0.3166

Trichromacy



Original Color

10.9572, 0.4617, 0.4716

Protanomaly

11.0887, 0.4444, 0.4811

Deuteranomaly

10.9354, 0.4648, 0.4650

Tritanomaly

10.8025, 0.4167, 0.3902

Monochromacy



Original Color

10.9572, 0.4617, 0.4716

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.7967, 0.3806, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9572, 0.4617, 0.4716 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, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 90, 0)  
}
```

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, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.9572, 0.4617, 0.4716 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, 90, 0) }
```

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

```
.border{ border-color:rgb(115, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9572, 0.4617, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 90, 0) }
```

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

```
.background{ background-color: rgb(115, 90,  
0) }
```

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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