

Converting Colors

$Y_{xy}(10.4986, 0.4591, 0.4559)$

Have a look what the booklet for
Yxy(10.4986, 0.4591, 0.4559)
contains.

Yxy(10.4986, 0.4591, 0.4559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.4986, 0.4591, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	735710
RGB	115, 87, 16
RGB Percent	45%, 34%, 6%
CMY	0.5490, 0.6588, 0.9374
CMYK	0.00, 0.24, 0.86, 0.55
HSL	43°, 76%, 26%
HSV	43°, 86%, 45%
XYZ	10.5723, 10.4986, 1.9574
YIQ	87.2780, 39.4790, -16.1450

Conversions

Conversions Part 2

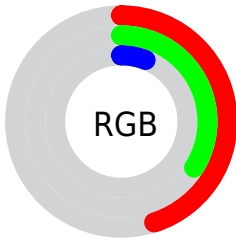
Format	Color
R _Y B	55, 115, 16
Decimal	7558928
CIE Lab	38.72, 4.59, 41.96
CIE LCh	39, 42.207, 83.759
Yxy	10.4986, 0.4591, 0.4559
Android (android.graphics.Color)	4285749008 (0xFF735710)
YUV	87.2780, -35.1401, 24.3122
Hunter-Lab	32.4015, 1.5400, 19.0993

Details

The Yxy color **10.4986, 0.4591, 0.4559** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **3.1458, 0.1756, 0.1313**, and the grayscale version is **9.6643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8307, 0.4256, 0.4309**, and **2.7127, 0.4827, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **9.9569, 0.4719, 0.4586**, and if you desaturate by 10%, it is **11.0815, 0.4441, 0.4494**.

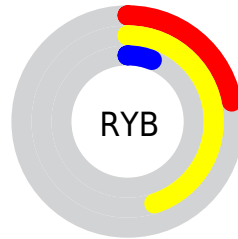
Distribution



Red (45%)

Green (34%)

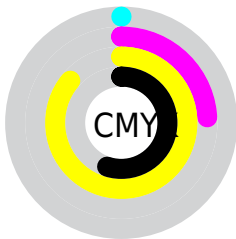
Blue (6%)



Red (22%)

Yellow (45%)

Blue (6%)

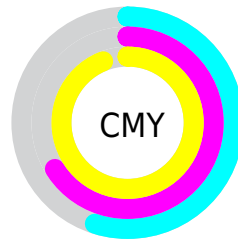


Cyan (0%)

Magenta (24%)

Yellow (86%)

Black (55%)



Cyan (55%)


Magenta (66%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4986, 0.4591, 0.4559 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 10.4986, 0.4591, 0.4559 by changing the saturation by 10% instead.


 10.4986, 0.4591,
0.4559


 10.4986, 0.4591,
0.4559


194.1946, 0.3739,
0.3849


 5.7308, 0.4829,
0.4734

 26.7292, 0.4264,
0.4300


 2.6821, 0.5099,
0.4901


 38.9607, 0.4144,
0.4200

 0.9681, 0.5189,
0.4811

 54.4490, 0.4045,
0.4116

 0.0000, 0.0000,
0.0000


 73.5783, 0.3963,
0.4045

 96.7332, 0.3894,
0.3985


 124.2979, 0.3834,


0.3933


 156.6569, 0.3784,
0.3888


 10.4986, 0.4591,
0.4559


 10.4986, 0.4591,
0.4559


 9.9569, 0.4719,
0.4586


 11.0815, 0.4441,
0.4494

 9.7542, 0.4770,
0.4595

 11.7089, 0.4271,
0.4389

 12.3838, 0.4089,
0.4252

 13.1083, 0.3902,
0.4093

 13.8844, 0.3717,
0.3920

■ 14.7140, 0.3539,
0.3742

■ 15.5987, 0.3371,
0.3564

■ 16.5403, 0.3216,
0.3392

■ 17.5401, 0.3074,
0.3227

Harmonies

Analogous

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



10.4986, 0.5002, 0.3892



10.4986, 0.4591, 0.4559



10.4986, 0.3828, 0.5041

Triad

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



10.4986, 0.4591, 0.4559



10.4986, 0.1661, 0.2989



10.4986, 0.3079, 0.2162

Complementary

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



10.4986, 0.4591, 0.4559



3.1458, 0.1756, 0.1313

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.



10.4986, 0.2244, 0.1916



10.4986, 0.4591, 0.4559



10.4986, 0.1536, 0.2261

Square

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



10.4986, 0.4591, 0.4559



10.4986, 0.2142, 0.4056



10.4986, 0.1730, 0.1931



10.4986, 0.4078, 0.2626

Rectangle

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



10.4986, 0.4591, 0.4559



10.4986, 0.3234, 0.5058



10.4986, 0.1730, 0.1931



10.4986, 0.2769, 0.2053

Sweetspot

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



10.4991, 0.4591, 0.4559



26.2604, 0.3549, 0.3752



4.1964, 0.5247, 0.2856



6.1669, 0.3596, 0.3800



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.



10.4991, 0.4591, 0.4559



17.2338, 0.4788, 0.4580



14.6559, 0.3828, 0.5197



4.0997, 0.3260, 0.3442



11.1126, 0.4774, 0.4591



52.6449, 0.4813, 0.4561

Inverse Universe

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



3.1458, 0.1756, 0.1313



3.9107, 0.1607, 0.0984



2.0081, 0.1806, 0.0894



3.7430, 0.2995, 0.3134



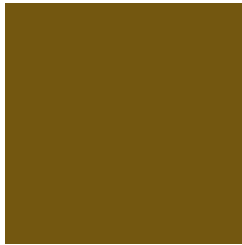
2.5941, 0.1616, 0.1015



11.3583, 0.1591, 0.0928

Previews

White Background



This preview shows how the Yxy color 10.4986, 0.4591, 0.4559 looks on a white background.

Color Contrast Check

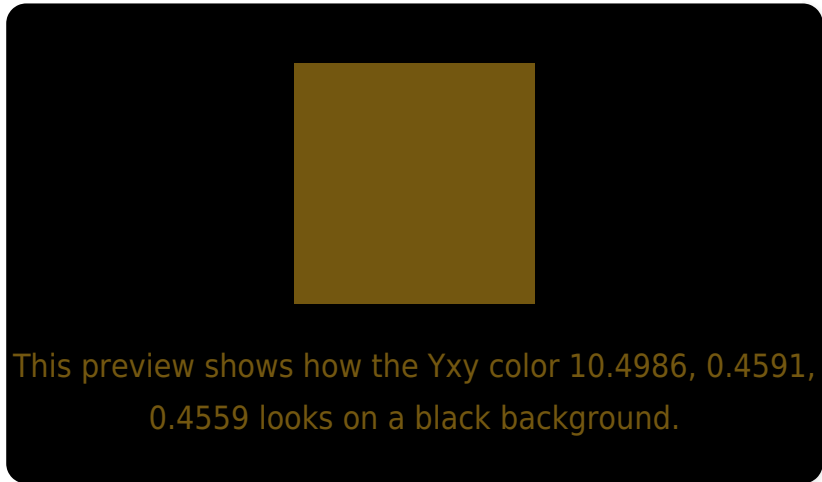
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4986, 0.4591, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 10.4986, 0.4591, 0.4559.



This preview shows how white text looks on a background with the Yxy color 10.4986, 0.4591, 0.4559.

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

10.4986, 0.4591, 0.4559

Protanopia

10.5783, 0.4295, 0.4771

Deuteranopia

10.4986, 0.4591, 0.4559



Tritanopia

10.4949, 0.3700, 0.3165

Trichromacy



Original Color

10.4986, 0.4591, 0.4559

Protanomaly

10.4786, 0.4397, 0.4692

Deuteranomaly

10.4986, 0.4591, 0.4559

Tritanomaly

10.3750, 0.4133, 0.3759

Monochromacy



Original Color

10.4986, 0.4591, 0.4559

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6947, 0.3720, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4986, 0.4591, 0.4559 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, 87, 16)` looks like.

```
.text, #text, p{  
    color:rgb(115, 87, 16)  
}
```

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, 87, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 87, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.4986, 0.4591, 0.4559 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, 87, 16) }
```

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

```
.border{ border-color:rgb(115, 87, 16) }
```

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

Here you see how a box with a 4 pixel rgb(115, 87, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 87, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 87, 16);  
box-shadow:4px 4px 4px 4px rgb(115, 87,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4986, 0.4591, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 87, 16) }
```

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

```
.background{ background-color: rgb(115, 87,  
16) }
```

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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