

Converting Colors

$Y_{xy}(10.7480, 0.6084, 0.3675)$

Have a look what the booklet for
Yxy(10.7480, 0.6084, 0.3675)
contains.

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Color

Yxy(10.7718, 0.5998, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	AB3000
RGB	171, 48, 0
RGB Percent	67%, 19%, 0%
CMY	0.3294, 0.8118, 0.9998
CMYK	0.00, 0.72, 1.00, 0.33
HSL	17°, 100%, 34%
HSV	17°, 100%, 67%
XYZ	17.8528, 10.7718, 1.1400
YIQ	79.3050, 88.7160, 11.1480

Conversions

Conversions Part 2

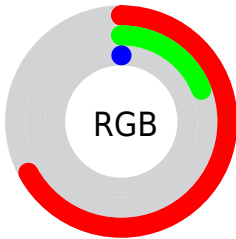
Format	Color
R_{YB}	171, 67, 0
Decimal	11218944
CIE _{Lab}	39.19, 48.44, 51.41
CIE _{LCh}	39, 70.637, 46.700
Yxy	10.7718, 0.5998, 0.3619
Android (android.graphics.Color)	4289409024 (0xFFAB3000)
YUV	79.3050, -39.0974, 80.4165
Hunter-Lab	32.8204, 39.6600, 20.9149

Details

The Yxy color **10.7718, 0.5998, 0.3619** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.1243, 0.1988, 0.2357**, and the grayscale version is **7.9459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2522, 0.5377, 0.3726**, and **3.3150, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.7686, 0.5999, 0.3619**, and if you desaturate by 10%, it is **11.9631, 0.5726, 0.3697**.

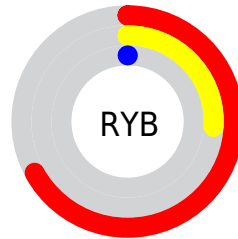
Distribution



Red (67%)

Green (19%)

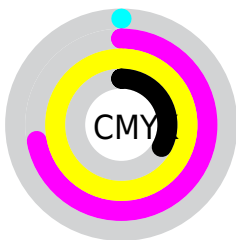
Blue (0%)



Red (67%)

Yellow (26%)

Blue (0%)

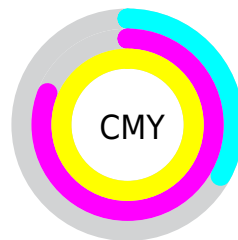


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (81%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7718, 0.5998, 0.3619 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 10.7718, 0.5998, 0.3619 by changing the saturation by 10% instead.


 10.7718, 0.5998,
0.3619


 10.7718, 0.5998,
0.3619


 196.0952, 0.4346,
0.3656


 5.9136, 0.6492,
0.3508

 27.2374, 0.5381,
0.3727

 2.7926, 0.6858,
0.3142

 39.6136, 0.5148,
0.3735


 1.0244, 0.7419,
0.2581

 55.2646, 0.4955,
0.3730

 0.0000, 1.0000,
0.0000

 74.5748, 0.4792,
0.3718


 0.0000, 0.0000,
0.0000

 97.9285, 0.4654,
0.3704


 125.7102, 0.4537,


0.3688


 158.3043, 0.4435,
0.3672

 10.7718, 0.5998,
0.3619


 10.7718, 0.5998,
0.3619


 10.7686, 0.5999,
0.3619

 11.9631, 0.5726,
0.3697

 13.4894, 0.5394,
0.3742

 15.3843, 0.5025,
0.3745

 17.6716, 0.4652,
0.3712

 20.3730, 0.4303,
0.3655

■ 23.5085, 0.3990,
0.3585

■ 27.0965, 0.3718,
0.3509

■ 31.1547, 0.3487,
0.3432

■ 35.6995, 0.3291,
0.3359

Harmonies

Analogous

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



10.7718, 0.5682, 0.2822



10.7718, 0.5998, 0.3619



10.7718, 0.5368, 0.4632

Triad

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



10.7718, 0.5998, 0.3619



10.7718, 0.1741, 0.5095



10.7718, 0.1584, 0.1304

Complementary

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



10.7718, 0.5998, 0.3619



17.1243, 0.1988, 0.2357

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.



10.7718, 0.1048, 0.1364



10.7718, 0.5998, 0.3619



10.7718, 0.1058, 0.3037

Square

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



10.7718, 0.5998, 0.3619



10.7718, 0.2886, 0.6302



10.7718, 0.0879, 0.1832



10.7718, 0.2650, 0.1550

Rectangle

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



10.7718, 0.5998, 0.3619



10.7718, 0.4609, 0.5391



10.7718, 0.0879, 0.1832



10.7718, 0.1356, 0.1288

Sweetspot

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



10.7724, 0.5998, 0.3619



48.1383, 0.3733, 0.3513



10.1514, 0.4017, 0.1987



10.1304, 0.3840, 0.3545



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.7724, 0.5998, 0.3619



18.9741, 0.6028, 0.3595



24.9233, 0.4673, 0.4672



8.3674, 0.3280, 0.3354



8.1962, 0.5981, 0.3633



0.3213, 0.5390, 0.4103

Inverse Universe

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



17.1243, 0.1988, 0.2357



30.2827, 0.1983, 0.2339



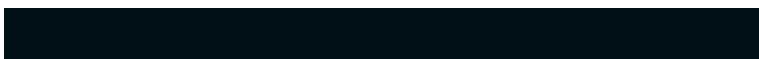
4.4551, 0.1574, 0.0865



8.6866, 0.2986, 0.3225



12.9969, 0.1991, 0.2367



0.4477, 0.2078, 0.2679

Previews

White Background



This preview shows how the Yxy color 10.7718, 0.5998, 0.3619 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 10.7718, 0.5998, 0.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

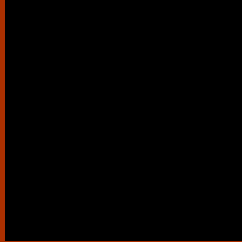
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7718, 0.5998, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 10.7718, 0.5998, 0.3619.



This preview shows how white text looks on a background with the Yxy color 10.7718, 0.5998, 0.3619.

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

10.7718, 0.5998, 0.3619

Protanopia

11.0557, 0.4282, 0.4760

Deuteranopia

10.9963, 0.4683, 0.4663



Tritanopia

10.8447, 0.5590, 0.3287

Trichromacy



Original Color

10.7718, 0.5998, 0.3619

Protanomaly

10.0014, 0.5024, 0.4268

Deuteranomaly

10.2159, 0.5257, 0.4207

Tritanomaly

10.8134, 0.5816, 0.3453

Monochromacy



Original Color

10.7718, 0.5998, 0.3619

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.8093, 0.4405, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7718, 0.5998, 0.3619 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(171, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 48, 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(171, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 48, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7718, 0.5998, 0.3619 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(171, 48, 0) }
```

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

```
.border{ border-color:rgb(171, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 48, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7718, 0.5998, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 48, 0) }
```

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

```
.background{ background-color: rgb(171, 48,  
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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