

Converting Colors

$Y_{xy}(11.6378, 0.5657, 0.4101)$

Have a look what the booklet for
Yxy(11.6378, 0.5657, 0.4101)
contains.

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Color

Yxy(11.6746, 0.5527, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	9D4700
RGB	157, 71, 0
RGB Percent	62%, 28%, 0%
CMY	0.3843, 0.7216, 0.9998
CMYK	0.00, 0.55, 1.00, 0.38
HSL	27°, 100%, 31%
HSV	27°, 100%, 62%
XYZ	16.1597, 11.6746, 1.4034
YIQ	88.6200, 74.0470, -3.8490

Conversions

Conversions Part 2

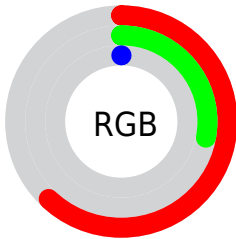
Format	Color
R_{YB}	157, 130, 0
Decimal	10307328
CIE Lab	40.69, 32.62, 50.86
CIE LCh	41, 60.419, 57.322
Yxy	11.6746, 0.5527, 0.3993
Android (android.graphics.Color)	4288497408 (0xFF9D4700)
YUV	88.6200, -43.6897, 59.9693
Hunter-Lab	34.1681, 24.6266, 21.4824

Details

The Yxy color **11.6746, 0.5527, 0.3993** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.1027, 0.1823, 0.1761**, and the grayscale version is **9.9893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8560, 0.5022, 0.3977**, and **3.1705, 0.6032, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **11.6708, 0.5528, 0.3993**, and if you desaturate by 10%, it is **12.8849, 0.5294, 0.4051**.

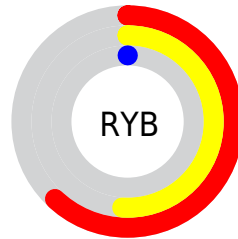
Distribution



Red (62%)

Green (28%)

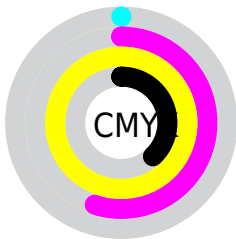
Blue (0%)



Red (62%)

Yellow (51%)

Blue (0%)

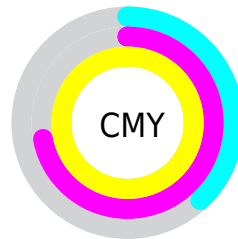


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (72%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6746, 0.5527, 0.3993 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 11.6746, 0.5527, 0.3993 by changing the saturation by 10% instead.


 11.6746, 0.5527,
0.3993

 11.6746, 0.5527,
0.3993


 202.2390, 0.4154,
0.3759


 6.5225, 0.5934,
0.3978


 28.9011, 0.5013,
0.3977


 3.1653, 0.6252,
0.3748

 41.7442, 0.4821,
0.3946


 1.2186, 0.6677,
0.3323

 57.9198, 0.4660,
0.3911

 0.0769, 0.9188,
0.0812


 77.8123, 0.4525,
0.3876

 0.0000, 0.0000,
0.0000

 101.8061, 0.4411,
0.3843


 130.2856, 0.4313,


0.3813


 163.6350, 0.4228,
0.3784

 11.6746, 0.5527,
0.3993


 11.6746, 0.5527,
0.3993


 11.6708, 0.5528,
0.3993

 12.8849, 0.5294,
0.4051

 14.2838, 0.5033,
0.4069

 15.8901, 0.4746,
0.4037

 17.7145, 0.4454,
0.3966

 19.7665, 0.4173,
0.3869

■ 22.0551, 0.3912,
0.3755

■ 24.5885, 0.3677,
0.3636

■ 27.3747, 0.3468,
0.3516

■ 30.4211, 0.3285,
0.3399

Harmonies

Analogous

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



11.6746, 0.5519, 0.3200



11.6746, 0.5527, 0.3993



11.6746, 0.4817, 0.4896

Triad

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



11.6746, 0.5527, 0.3993



11.6746, 0.1689, 0.4161



11.6746, 0.2063, 0.1572

Complementary

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



11.6746, 0.5527, 0.3993



9.1027, 0.1823, 0.1761

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.



11.6746, 0.1407, 0.1533



11.6746, 0.5527, 0.3993



11.6746, 0.1203, 0.2663

Square

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



11.6746, 0.5527, 0.3993



11.6746, 0.2631, 0.5574



11.6746, 0.1136, 0.1837



11.6746, 0.3187, 0.1901

Rectangle

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



11.6746, 0.5527, 0.3993



11.6746, 0.4128, 0.5463



11.6746, 0.1136, 0.1837



11.6746, 0.1795, 0.1526

Sweetspot

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



11.6753, 0.5527, 0.3993



43.7367, 0.3690, 0.3643



7.8485, 0.4724, 0.2376



9.2256, 0.3780, 0.3690



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



11.6753, 0.5527, 0.3993



20.5264, 0.5558, 0.3969



28.7156, 0.4282, 0.4982



7.1152, 0.3273, 0.3391



9.5498, 0.5515, 0.4003



0.2542, 0.4897, 0.4494

Inverse Universe

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



9.1027, 0.1823, 0.1761



15.9038, 0.1814, 0.1731



2.6068, 0.1511, 0.0638



7.0075, 0.2988, 0.3186



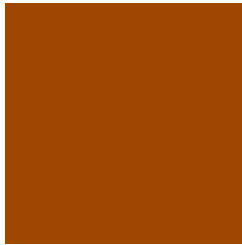
7.4629, 0.1826, 0.1773



0.2174, 0.2010, 0.2436

Previews

White Background



This preview shows how the Yxy color 11.6746, 0.5527, 0.3993 looks on a white background.

Color Contrast Check

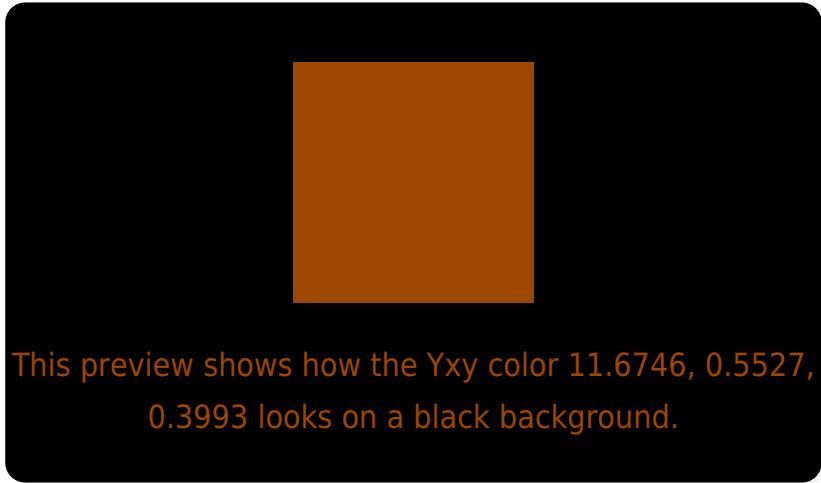
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6746, 0.5527, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 11.6746, 0.5527, 0.3993.



This preview shows how white text looks on a background with the Yxy color 11.6746, 0.5527, 0.3993.

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

11.6746, 0.5527, 0.3993

Protanopia

11.8351, 0.4323, 0.4796

Deuteranopia

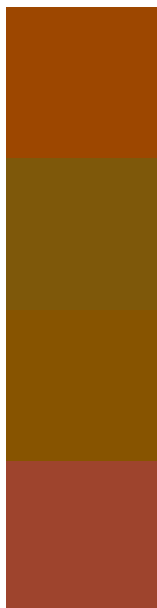
11.7919, 0.4686, 0.4661



Tritanopia

11.7096, 0.4793, 0.3235

Trichromacy



Original Color

11.6746, 0.5527, 0.3993

Protanomaly

11.4370, 0.4775, 0.4496

Deuteranomaly

11.4915, 0.5028, 0.4390

Tritanomaly

11.5928, 0.5188, 0.3614

Monochromacy



Original Color

11.6746, 0.5527, 0.3993

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9074, 0.4142, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6746, 0.5527, 0.3993 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(157, 71, 0)` looks like.

```
.text, #text, p{  
  color:rgb(157, 71, 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(157, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 71, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6746, 0.5527, 0.3993 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(157, 71, 0) }
```

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

```
.border{ border-color:rgb(157, 71, 0) }
```

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

Here you see how a box with a 4 pixel rgb(157, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 71, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6746, 0.5527, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 71, 0) }
```

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

```
.background{ background-color: rgb(157, 71,  
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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