

Converting Colors

$Y_{xy}(12.6949, 0.5761, 0.3808)$

Have a look what the booklet for
Yxy(12.6949, 0.5761, 0.3808)
contains.

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Color

Yxy(12.6648, 0.5756, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	AD4100
RGB	173, 65, 0
RGB Percent	68%, 25%, 0%
CMY	0.3216, 0.7451, 1.0000
CMYK	0.00, 0.62, 1.00, 0.32
HSL	23°, 100%, 34%
HSV	23°, 100%, 68%
XYZ	19.1234, 12.6648, 1.4353
YIQ	89.8820, 85.2330, 2.6810

Conversions

Conversions Part 2

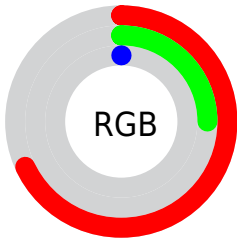
Format	Color
RYB	173, 104, 0
Decimal	11354368
CIELab	42.25, 41.89, 53.19
CIElCh	42, 67.708, 51.778
Yxy	12.6648, 0.5756, 0.3812
Android (android.graphics.Color)	4289544448 (0xFFAD4100)
YUV	89.8820, -44.3118, 72.8945
Hunter-Lab	35.5876, 33.6408, 22.5202

Details

The Yxy color **12.6648, 0.5756, 0.3812** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.7399, 0.1893, 0.2016**, and the grayscale version is **10.2843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6703, 0.5200, 0.3858**, and **3.5967, 0.6320, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **12.6656, 0.5756, 0.3812**, and if you desaturate by 10%, it is **14.0679, 0.5502, 0.3888**.

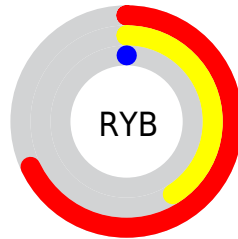
Distribution



Red (68%)

Green (25%)

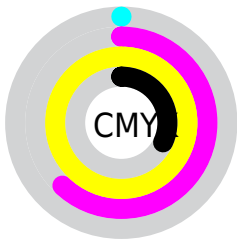
Blue (0%)



Red (68%)

Yellow (41%)

Blue (0%)

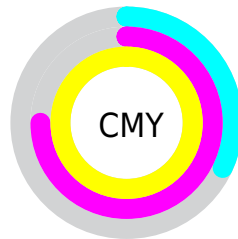


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6648, 0.5756, 0.3812 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 12.6648, 0.5756, 0.3812 by changing the saturation by 10% instead.


 12.6648, 0.5756,
0.3812


 12.6648, 0.5756,
0.3812


 208.7581, 0.4274,
0.3717

 7.1981, 0.6169,
0.3743


 30.7003, 0.5209,
0.3857


 3.5863, 0.6521,
0.3479

 44.0378, 0.5001,
0.3846

 1.4450, 0.6976,
0.3024

 60.7678, 0.4827,
0.3827

 0.2495, 0.8423,
0.1577

 81.2747, 0.4681,
0.3805


 0.0000, 1.0000,
0.0000


 105.9427, 0.4556,
0.3782

 0.0000, 0.0000,
0.0000

 135.1564, 0.4448,

0.3759


 169.3000, 0.4355,
0.3737


 12.6648, 0.5756,
0.3812

 12.6648, 0.5756,
0.3812


 12.6656, 0.5756,
0.3812

 14.0679, 0.5502,
0.3888

 15.7559, 0.5206,
0.3923

 17.7556, 0.4880,
0.3910

 20.0845, 0.4551,
0.3857

 22.7585, 0.4238,
0.3778

■ 25.7922, 0.3952,
0.3683

■ 29.1993, 0.3699,
0.3582

■ 32.9928, 0.3479,
0.3480

■ 37.1850, 0.3289,
0.3382

Harmonies

Analogous

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



12.6648, 0.5601, 0.3014



12.6648, 0.5756, 0.3812



12.6648, 0.5077, 0.4769

Triad

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



12.6648, 0.5756, 0.3812



12.6648, 0.1720, 0.4592



12.6648, 0.1821, 0.1440

Complementary

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



12.6648, 0.5756, 0.3812



13.7399, 0.1893, 0.2016

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.



12.6648, 0.1226, 0.1451



12.6648, 0.5756, 0.3812



12.6648, 0.1135, 0.2835

Square

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



12.6648, 0.5756, 0.3812



12.6648, 0.2768, 0.5949



12.6648, 0.1009, 0.1836



12.6648, 0.2921, 0.1727

Rectangle

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



12.6648, 0.5756, 0.3812



12.6648, 0.4363, 0.5440



12.6648, 0.1009, 0.1836



12.6648, 0.1573, 0.1409

Sweetspot

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



12.6656, 0.5756, 0.3812



51.9590, 0.3712, 0.3587



10.0004, 0.4398, 0.2197



10.7374, 0.3811, 0.3629



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.



12.6656, 0.5756, 0.3812



22.3024, 0.5785, 0.3788



30.6749, 0.4448, 0.4850



8.4901, 0.3277, 0.3376



9.4074, 0.5737, 0.3827



0.3688, 0.5170, 0.4277

Inverse Universe

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



13.7399, 0.1893, 0.2016



24.1818, 0.1887, 0.1993



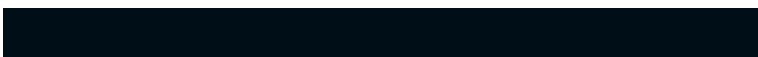
3.6325, 0.1530, 0.0708



8.5586, 0.2986, 0.3203



10.2067, 0.1898, 0.2031



0.3846, 0.2016, 0.2456

Previews

White Background



This preview shows how the Yxy color 12.6648, 0.5756, 0.3812 looks on a white background.

Color Contrast Check

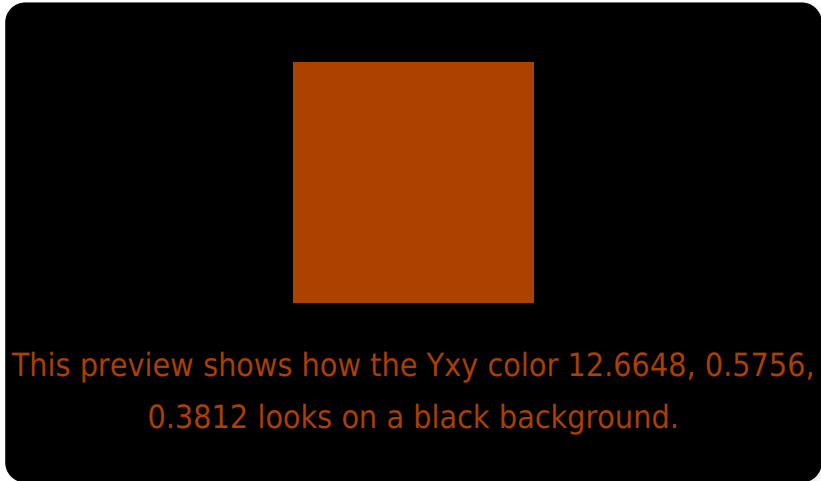
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6648, 0.5756, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 12.6648, 0.5756, 0.3812.



This preview shows how white text looks on a background with the Yxy color 12.6648, 0.5756, 0.3812.

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

12.6648, 0.5756, 0.3812

Protanopia

12.8585, 0.4311, 0.4793

Deuteranopia

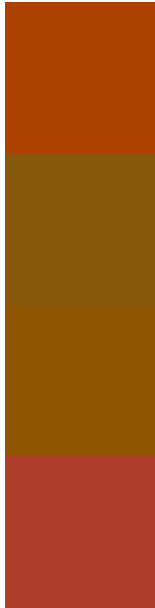
12.8778, 0.4684, 0.4663



Tritanopia

12.7063, 0.5141, 0.3258

Trichromacy



Original Color

12.6648, 0.5756, 0.3812

Protanomaly

12.1545, 0.4898, 0.4397

Deuteranomaly

12.4263, 0.5122, 0.4315

Tritanomaly

12.6040, 0.5487, 0.3532

Monochromacy



Original Color

12.6648, 0.5756, 0.3812

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1733, 0.4259, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6648, 0.5756, 0.3812 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(173, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 65, 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(173, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 65, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6648, 0.5756, 0.3812 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(173, 65, 0) }
```

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

```
.border{ border-color:rgb(173, 65, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 65, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6648, 0.5756, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 65, 0) }
```

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

```
.background{ background-color: rgb(173, 65,  
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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