

Converting Colors

$Y_{xy}(12.7843, 0.5748, 0.3818)$

Have a look what the booklet for
Yxy(12.7843, 0.5748, 0.3818)
contains.

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Color

Yxy(12.7807, 0.5740, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	AD4200
RGB	173, 66, 0
RGB Percent	68%, 26%, 0%
CMY	0.3215, 0.7412, 0.9998
CMYK	0.00, 0.62, 1.00, 0.32
HSL	23°, 100%, 34%
HSV	23°, 100%, 68%
XYZ	19.1844, 12.7807, 1.4572
YIQ	90.4690, 84.9580, 2.1580

Conversions

Conversions Part 2

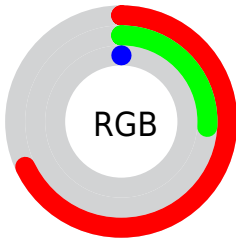
Format	Color
RYB	173, 107, 0
Decimal	11354624
CIELab	42.43, 41.44, 53.26
CIELCh	42, 67.481, 52.115
Yxy	12.7807, 0.5740, 0.3824
Android (android.graphics.Color)	4289544704 (0xFFAD4200)
YUV	90.4690, -44.6012, 72.3797
Hunter-Lab	35.7501, 33.2250, 22.6083

Details

The Yxy color **12.7807, 0.5740, 0.3824** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.5488, 0.1888, 0.1997**, and the grayscale version is **10.4247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9046, 0.5189, 0.3869**, and **3.6401, 0.6298, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **12.7776, 0.5741, 0.3824**, and if you desaturate by 10%, it is **14.1929, 0.5487, 0.3899**.

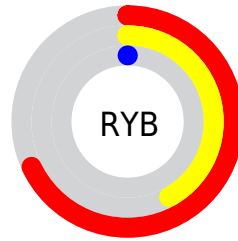
Distribution



Red (68%)

Green (26%)

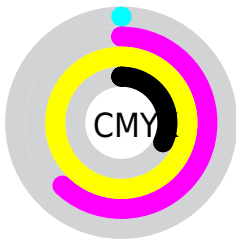
Blue (0%)



Red (68%)

Yellow (42%)

Blue (0%)

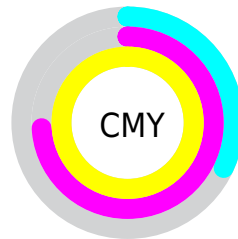


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7807, 0.5740, 0.3824 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 12.7807, 0.5740, 0.3824 by changing the saturation by 10% instead.


 12.7807, 0.5740,
0.3824


 12.7807, 0.5740,
0.3824


 209.5074, 0.4268,
0.3720


 7.2777, 0.6147,
0.3757


 30.9092, 0.5197,
0.3865


 3.6364, 0.6500,
0.3500

 44.3036, 0.4991,
0.3853

 1.4723, 0.6949,
0.3051

 61.0971, 0.4818,
0.3833

 0.2691, 0.8331,
0.1669

 81.6744, 0.4673,
0.3810


 0.0000, 1.0000,
0.0000

 106.4196, 0.4548,
0.3786

 0.0000, 0.0000,
0.0000


 135.7172, 0.4442,


0.3763


 169.9517, 0.4349,
0.3741


 12.7807, 0.5740,
0.3824


 12.7807, 0.5740,
0.3824

 12.7776, 0.5741,
0.3824

 14.1929, 0.5487,
0.3899

 15.8869, 0.5194,
0.3934

 17.8890, 0.4871,
0.3919

 20.2163, 0.4544,
0.3865

 22.8843, 0.4233,
0.3784

■ 25.9075, 0.3949,
0.3688

■ 29.2994, 0.3697,
0.3586

■ 33.0725, 0.3478,
0.3483

■ 37.2391, 0.3289,
0.3383

Harmonies

Analogous

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



12.7807, 0.5595, 0.3027



12.7807, 0.5740, 0.3824



12.7807, 0.5059, 0.4776

Triad

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



12.7807, 0.5740, 0.3824



12.7807, 0.1719, 0.4562



12.7807, 0.1837, 0.1449

Complementary

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



12.7807, 0.5740, 0.3824



13.5488, 0.1888, 0.1997

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.



12.7807, 0.1238, 0.1457



12.7807, 0.5740, 0.3824



12.7807, 0.1140, 0.2824

Square

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



12.7807, 0.5740, 0.3824



12.7807, 0.2761, 0.5924



12.7807, 0.1018, 0.1837



12.7807, 0.2939, 0.1739

Rectangle

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



12.7807, 0.5740, 0.3824



12.7807, 0.4346, 0.5440



12.7807, 0.1018, 0.1837



12.7807, 0.1588, 0.1417

Sweetspot

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



12.7814, 0.5740, 0.3824



52.1102, 0.3710, 0.3591



10.0039, 0.4398, 0.2196



10.7732, 0.3810, 0.3633



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.



12.7814, 0.5740, 0.3824



22.4952, 0.5770, 0.3800



30.6834, 0.4448, 0.4850



8.4971, 0.3277, 0.3377



9.4885, 0.5722, 0.3839



0.3715, 0.5159, 0.4286

Inverse Universe

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



13.5488, 0.1888, 0.1997



23.8253, 0.1882, 0.1973



3.6353, 0.1530, 0.0708



8.5513, 0.2986, 0.3202



10.0615, 0.1892, 0.2012



0.3812, 0.2012, 0.2443

Previews

White Background



This preview shows how the Yxy color 12.7807, 0.5740, 0.3824 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 12.7807, 0.5740, 0.3824 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 12.7807, 0.5740, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 12.7807, 0.5740, 0.3824.



This preview shows how white text looks on a background with the Yxy color 12.7807, 0.5740, 0.3824.

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

12.7807, 0.5740, 0.3824

Protanopia

12.9252, 0.4327, 0.4782

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.7178, 0.5123, 0.3245

Trichromacy



Original Color

12.7807, 0.5740, 0.3824

Protanomaly

12.1545, 0.4898, 0.4397

Deuteranomaly

12.4263, 0.5122, 0.4315

Tritanomaly

12.7138, 0.5474, 0.3545

Monochromacy



Original Color

12.7807, 0.5740, 0.3824

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 12.7807, 0.5740, 0.3824 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, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 66, 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, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 66, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7807, 0.5740, 0.3824 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, 66, 0) }
```

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

```
.border{ border-color:rgb(173, 66, 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, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 66, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7807, 0.5740, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 66, 0) }
```

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

```
.background{ background-color: rgb(173, 66,  
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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