

Converting Colors

$Y_{xy}(12.4104, 0.5777, 0.3743)$

Have a look what the booklet for
Yxy(12.4104, 0.5777, 0.3743)
contains.

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Color

Yxy(12.4593, 0.5776, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	AE3E07
RGB	174, 62, 7
RGB Percent	68%, 24%, 3%
CMY	0.3177, 0.7568, 0.9725
CMYK	0.00, 0.64, 0.96, 0.32
HSL	20°, 92%, 35%
HSV	20°, 96%, 68%
XYZ	19.2163, 12.4593, 1.5936
YIQ	89.2180, 84.4070, 6.6390

Conversions

Conversions Part 2

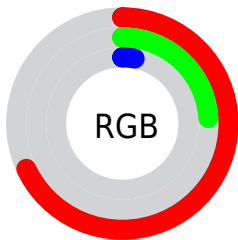
Format	Color
R_{YB}	174, 89, 7
Decimal	11419143
CIE Lab	41.94, 43.73, 50.97
CIE LCh	42, 67.158, 49.371
Yxy	12.4593, 0.5776, 0.3745
Android (android.graphics.Color)	4289609223 (0xFFAE3E07)
YUV	89.2180, -40.5335, 74.3538
Hunter-Lab	35.2977, 35.4053, 22.0316

Details

The Yxy color **12.4593, 0.5776, 0.3745** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.2966, 0.1961, 0.2231**, and the grayscale version is **10.1200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3654, 0.5216, 0.3793**, and **3.5107, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.9545, 0.5880, 0.3713**, and if you desaturate by 10%, it is **13.9209, 0.5495, 0.3815**.

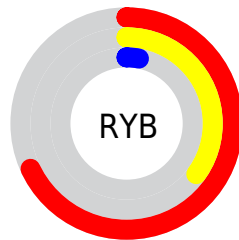
Distribution



Red (68%)

Green (24%)

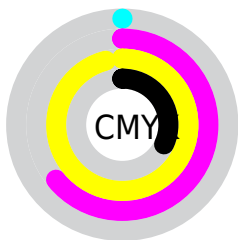
Blue (3%)



Red (68%)

Yellow (35%)

Blue (3%)

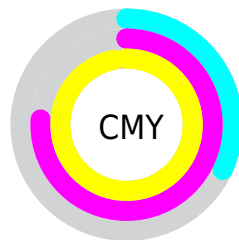


Cyan (0%)

Magenta (64%)

Yellow (96%)

Black (32%)



Cyan (32%)


Magenta (76%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4593, 0.5776, 0.3745 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 12.4593, 0.5776, 0.3745 by changing the saturation by 10% instead.


 12.4593, 0.5776,
0.3745


 12.4593, 0.5776,
0.3745


 207.4227, 0.4268,
0.3680


 7.0573, 0.6190,
0.3661


 30.3289, 0.5212,
0.3799


 3.4980, 0.6593,
0.3407

 43.5653, 0.5001,
0.3792

 1.3969, 0.7065,
0.2935

 60.1819, 0.4824,
0.3776

 0.2144, 0.8628,
0.1372

 80.5632, 0.4676,
0.3758


 0.0000, 1.0000,
0.0000


 105.0936, 0.4550,
0.3737

 0.0000, 0.0000,
0.0000


 134.1573, 0.4442,


0.3717


 168.1389, 0.4349,
0.3698


 12.4593, 0.5776,
0.3745


 12.4593, 0.5776,
0.3745


 11.9545, 0.5880,
0.3713

 13.9209, 0.5495,
0.3815

 15.7163, 0.5163,
0.3837

 17.8692, 0.4811,
0.3816

 20.3996, 0.4466,
0.3762

 23.3259, 0.4146,
0.3686

■ 26.6651, 0.3862,
0.3600

■ 30.4332, 0.3614,
0.3510

■ 34.6452, 0.3402,
0.3422

■ 39.3154, 0.3221,
0.3338

Harmonies

Analogous

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



12.4593, 0.5535, 0.2955



12.4593, 0.5776, 0.3745



12.4593, 0.5149, 0.4685

Triad

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



12.4593, 0.5776, 0.3745



12.4593, 0.1793, 0.4738



12.4593, 0.1759, 0.1433

Complementary

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



12.4593, 0.5776, 0.3745



16.2966, 0.1961, 0.2231

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.



12.4593, 0.1199, 0.1470



12.4593, 0.5776, 0.3745



12.4593, 0.1166, 0.2953

Square

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



12.4593, 0.5776, 0.3745



12.4593, 0.2865, 0.5978



12.4593, 0.1010, 0.1892



12.4593, 0.2815, 0.1696

Rectangle

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



12.4593, 0.5776, 0.3745



12.4593, 0.4456, 0.5362



12.4593, 0.1010, 0.1892



12.4593, 0.1524, 0.1410

Sweetspot

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



12.4600, 0.5776, 0.3745



52.6890, 0.3698, 0.3542



10.5342, 0.4150, 0.2083



11.0792, 0.3802, 0.3580



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.4600, 0.5776, 0.3745



21.3197, 0.5911, 0.3689



28.7744, 0.4528, 0.4759



8.4301, 0.3278, 0.3365



8.7695, 0.5860, 0.3729



0.3456, 0.5272, 0.4196

Inverse Universe

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



16.2966, 0.1961, 0.2231



28.0679, 0.1934, 0.2160



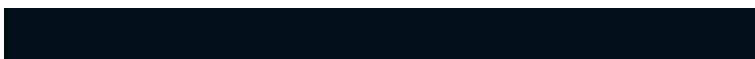
4.4640, 0.1577, 0.0837



8.6208, 0.2986, 0.3214



11.5051, 0.1943, 0.2195



0.4145, 0.2046, 0.2566

Previews

White Background



This preview shows how the Yxy color 12.4593, 0.5776, 0.3745 looks on a white background.

Color Contrast Check

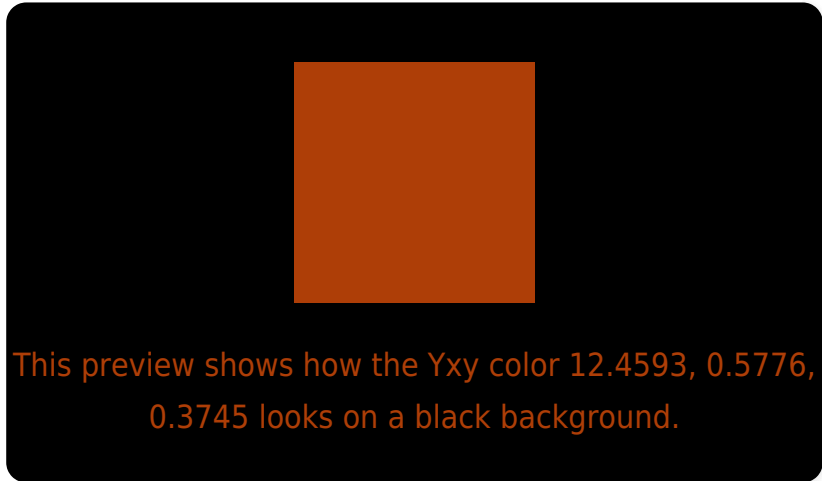
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4593, 0.5776, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 12.4593, 0.5776, 0.3745.



This preview shows how white text looks on a background with the Yxy color 12.4593, 0.5776, 0.3745.

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

12.4593, 0.5776, 0.3745

Protanopia

12.6061, 0.4300, 0.4773

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.4770, 0.5234, 0.3260

Trichromacy



Original Color

12.4593, 0.5776, 0.3745

Protanomaly

11.8410, 0.4915, 0.4341

Deuteranomaly

12.0327, 0.5135, 0.4279

Tritanomaly

12.4020, 0.5533, 0.3493

Monochromacy



Original Color

12.4593, 0.5776, 0.3745

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9008, 0.4247, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4593, 0.5776, 0.3745 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(174, 62, 7)` looks like.

```
.text, #text, p{  
    color:rgb(174, 62, 7)  
}
```

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(174, 62, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 62, 7) }
```

Border

The CSS property to change the border of an element to Yxy 12.4593, 0.5776, 0.3745 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(174, 62, 7) }
```

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

```
.border{ border-color:rgb(174, 62, 7) }
```

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

Here you see how a box with a 4 pixel rgb(174, 62, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 62, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 62, 7);  
box-shadow:4px 4px 4px 4px rgb(174, 62, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4593, 0.5776, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 62, 7) }
```

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

```
.background{ background-color: rgb(174, 62,  
7) }
```

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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