

Converting Colors

$Y_{xy}(14.6414, 0.5787, 0.3787)$

Have a look what the booklet for
Yxy(14.6414, 0.5787, 0.3787)
contains.

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Color

Yxy(14.5733, 0.5793, 0.3783)

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | BA4400 |
| RGB | 186, 68, 0 |
| RGB Percent | 73%, 27%, 0% |
| CMY | 0.2706, 0.7333, 1.0000 |
| CMYK | 0.00, 0.63, 1.00, 0.27 |
| HSL | 22°, 100%, 36% |
| HSV | 22°, 100%, 73% |
| XYZ | 22.3164, 14.5733, 1.6334 |
| YIQ | 95.5300, 92.1560, 3.8680 |

Conversions

Conversions Part 2

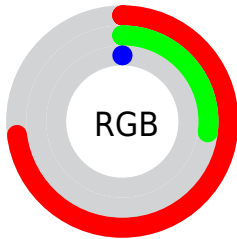
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 186, 107, 0 |
| Decimal | 12207104 |
| CIE Lab | 45.04, 45.34, 55.92 |
| CIE LCh | 45, 71.993, 50.967 |
| Yxy | 14.5733, 0.5793, 0.3783 |
| Android (android.graphics.Color) | 4290397184 (0xFFBA4400) |
| YUV | 95.5300, -47.0963, 79.3422 |
| Hunter-Lab | 38.1750, 37.5418, 24.1857 |

Details

The Yxy color **14.5733, 0.5793, 0.3783** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.5001, 0.1902, 0.2045**, and the grayscale version is **11.6780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1099, 0.5256, 0.3843**, and **4.4370, 0.6336, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **14.5744, 0.5792, 0.3783**, and if you desaturate by 10%, it is **16.1940, 0.5540, 0.3864**.

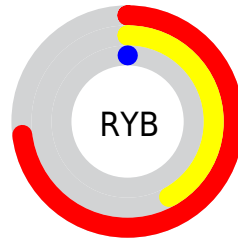
Distribution



Red (73%)

Green (27%)

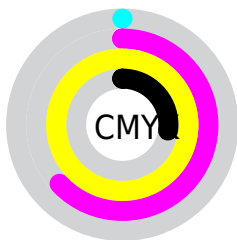
Blue (0%)



Red (73%)

Yellow (42%)

Blue (0%)

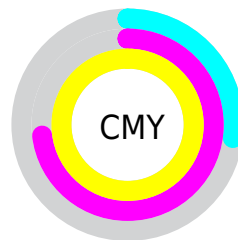


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (73%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5733, 0.5793, 0.3783 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 14.5733, 0.5793, 0.3783 by changing the saturation by 10% instead.


 14.5733, 0.5793,
0.3783


 14.5733, 0.5793,
0.3783


 220.7688, 0.4323,
0.3717


 8.5205, 0.6166,
0.3698

 34.1029, 0.5260,
0.3838

 4.4298, 0.6533,
0.3467

 48.3484, 0.5055,
0.3832

 1.9167, 0.6952,
0.3048

 66.0936, 0.4882,
0.3817


 0.5584, 0.7742,
0.2258

 87.7229, 0.4735,
0.3798


 0.0000, 1.0000,
0.0000


 113.6207, 0.4610,
0.3777


 0.0000, 0.0000,
0.0000

 144.1713, 0.4501,


0.3756


 179.7592, 0.4406,
0.3736

 14.5733, 0.5793,
0.3783

 14.5733, 0.5793,
0.3783


 14.5744, 0.5792,
0.3783

 16.1940, 0.5540,
0.3864

 18.1603, 0.5240,
0.3903

 20.5042, 0.4908,
0.3893

 23.2473, 0.4572,
0.3844

 26.4093, 0.4253,
0.3767

■ 30.0085, 0.3962,
0.3675

■ 34.0618, 0.3705,
0.3576

■ 38.5851, 0.3482,
0.3476

■ 43.5938, 0.3291,
0.3380

Harmonies

Analogous

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



14.5733, 0.5615, 0.2985



14.5733, 0.5793, 0.3783



14.5733, 0.5111, 0.4740

Triad

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



14.5733, 0.5793, 0.3783



14.5733, 0.1723, 0.4665



14.5733, 0.1784, 0.1419

Complementary

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



14.5733, 0.5793, 0.3783



16.5001, 0.1902, 0.2045

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.



14.5733, 0.1198, 0.1438



14.5733, 0.5793, 0.3783



14.5733, 0.1123, 0.2863

Square

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



14.5733, 0.5793, 0.3783



14.5733, 0.2788, 0.6006



14.5733, 0.0989, 0.1835



14.5733, 0.2880, 0.1700

Rectangle

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



14.5733, 0.5793, 0.3783



14.5733, 0.4393, 0.5426



14.5733, 0.0989, 0.1835



14.5733, 0.1539, 0.1390

Sweetspot

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



14.5744, 0.5792, 0.3783



61.3542, 0.3717, 0.3581



11.8172, 0.4340, 0.2164



12.8069, 0.3822, 0.3623



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



14.5744, 0.5792, 0.3783



25.9958, 0.5821, 0.3760



34.9270, 0.4485, 0.4821



9.5355, 0.3279, 0.3374



9.9370, 0.5769, 0.3801



0.4702, 0.5275, 0.4193

Inverse Universe

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



16.5001, 0.1902, 0.2045



29.4298, 0.1896, 0.2024



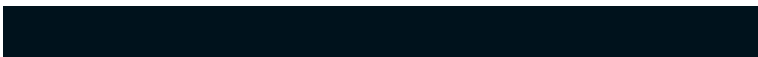
4.3710, 0.1534, 0.0723



9.6435, 0.2985, 0.3204



11.2473, 0.1907, 0.2063



0.5100, 0.2005, 0.2416

Previews

White Background



This preview shows how the Yxy color 14.5733, 0.5793, 0.3783 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 14.5733, 0.5793, 0.3783 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 14.5733, 0.5793, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 14.5733, 0.5793, 0.3783.



This preview shows how white text looks on a background with the Yxy color 14.5733, 0.5793, 0.3783.

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

14.5733, 0.5793, 0.3783

Protanopia

14.8371, 0.4314, 0.4790

Deuteranopia

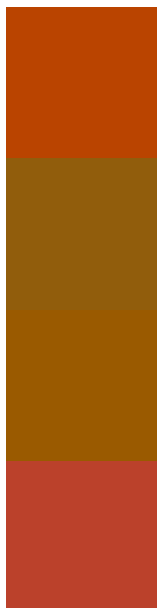
14.7370, 0.4702, 0.4649



Tritanopia

14.5251, 0.5209, 0.3250

Trichromacy



Original Color

14.5733, 0.5793, 0.3783

Protanomaly

13.8750, 0.4934, 0.4372

Deuteranomaly

14.1824, 0.5145, 0.4297

Tritanomaly

14.5198, 0.5535, 0.3522

Monochromacy



Original Color

14.5733, 0.5793, 0.3783

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6596, 0.4286, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5733, 0.5793, 0.3783 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(186, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 68, 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(186, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.5733, 0.5793, 0.3783 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(186, 68, 0) }
```

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

```
.border{ border-color:rgb(186, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.5733, 0.5793, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 68, 0) }
```

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

```
.background{ background-color: rgb(186, 68,  
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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