

Converting Colors

$Y_{xy}(14.2139, 0.5840, 0.3745)$

Have a look what the booklet for
Yxy(14.2139, 0.5840, 0.3745)
contains.

Yxy(14.2197, 0.5836, 0.3748)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.2197, 0.5836, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	BA4100
RGB	186, 65, 0
RGB Percent	73%, 25%, 0%
CMY	0.2706, 0.7451, 0.9999
CMYK	0.00, 0.65, 1.00, 0.27
HSL	21°, 100%, 36%
HSV	21°, 100%, 73%
XYZ	22.1415, 14.2197, 1.5783
YIQ	93.7690, 92.9810, 5.4370

Conversions

Conversions Part 2

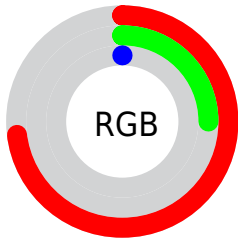
Format	Color
R _{YB}	186, 100, 0
Decimal	12206336
CIE Lab	44.55, 46.68, 55.63
CIE LCh	45, 72.614, 50.000
Yxy	14.2197, 0.5836, 0.3748
Android (android.graphics.Color)	4290396416 (0xFFBA4100)
YUV	93.7690, -46.2281, 80.8866
Hunter-Lab	37.7090, 38.8184, 23.9148

Details

The Yxy color **14.2197, 0.5836, 0.3748** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.2278, 0.1918, 0.2104**, and the grayscale version is **11.2316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3920, 0.5286, 0.3814**, and **4.2851, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.2188, 0.5836, 0.3748**, and if you desaturate by 10%, it is **15.8077, 0.5579, 0.3830**.

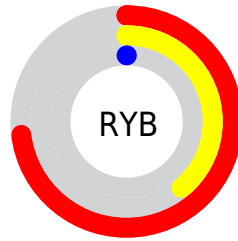
Distribution



Red (73%)

Green (25%)

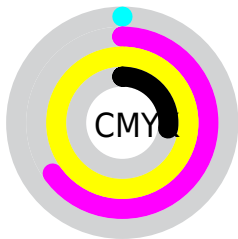
Blue (0%)



Red (73%)

Yellow (39%)

Blue (0%)

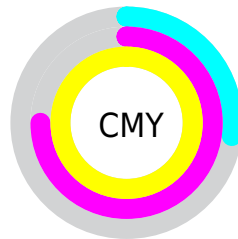


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2197, 0.5836, 0.3748 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 14.2197, 0.5836, 0.3748 by changing the saturation by 10% instead.


 14.2197, 0.5836,
0.3748


 14.2197, 0.5836,
0.3748


 218.5933, 0.4338,
0.3705


 8.2736, 0.6222,
0.3657


 33.4783, 0.5292,
0.3814


 4.2705, 0.6591,
0.3409

 47.5597, 0.5083,
0.3811

 1.8260, 0.7026,
0.2974

 65.1216, 0.4907,
0.3798

 0.5033, 0.7889,
0.2111

 86.5485, 0.4757,
0.3781

 0.0000, 1.0000,
0.0000


 112.2247, 0.4629,
0.3762


 0.0000, 0.0000,
0.0000


 142.5347, 0.4518,

0.3743


 177.8627, 0.4422,
0.3724

 14.2197, 0.5836,
0.3748

 14.2197, 0.5836,
0.3748

 14.2188, 0.5836,
0.3748

 15.8077, 0.5579,
0.3830

 17.7537, 0.5273,
0.3872

 20.0907, 0.4933,
0.3865

 22.8417, 0.4590,
0.3819

 26.0276, 0.4264,
0.3746

■ 29.6676, 0.3969,
0.3658

■ 33.7797, 0.3708,
0.3563

■ 38.3808, 0.3483,
0.3468

■ 43.4870, 0.3291,
0.3376

Harmonies

Analogous

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



14.2197, 0.5628, 0.2950



14.2197, 0.5836, 0.3748



14.2197, 0.5163, 0.4715

Triad

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



14.2197, 0.5836, 0.3748



14.2197, 0.1729, 0.4754



14.2197, 0.1741, 0.1394

Complementary

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



14.2197, 0.5836, 0.3748



17.2278, 0.1918, 0.2104

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.



14.2197, 0.1166, 0.1423



14.2197, 0.5836, 0.3748



14.2197, 0.1110, 0.2900

Square

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



14.2197, 0.5836, 0.3748



14.2197, 0.2811, 0.6071



14.2197, 0.0966, 0.1836



14.2197, 0.2830, 0.1668

Rectangle

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



14.2197, 0.5836, 0.3748



14.2197, 0.4440, 0.5419



14.2197, 0.0966, 0.1836



14.2197, 0.1499, 0.1369

Sweetspot

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



14.2205, 0.5836, 0.3748



60.8223, 0.3721, 0.3568



11.8960, 0.4274, 0.2128



12.6793, 0.3827, 0.3608



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.



14.2205, 0.5836, 0.3748



25.3610, 0.5865, 0.3725



33.8859, 0.4522, 0.4792



9.5117, 0.3279, 0.3370



9.6935, 0.5813, 0.3767



0.4603, 0.5309, 0.4166

Inverse Universe

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



17.2278, 0.1918, 0.2104



30.7489, 0.1912, 0.2083



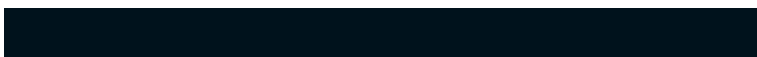
4.5267, 0.1541, 0.0745



9.6681, 0.2985, 0.3208



11.7326, 0.1923, 0.2121



0.5249, 0.2016, 0.2457

Previews

White Background



This preview shows how the Yxy color 14.2197, 0.5836, 0.3748 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 14.2197, 0.5836, 0.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

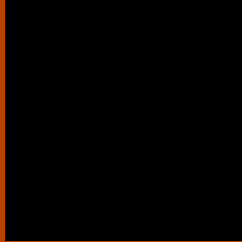
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.2197, 0.5836, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 14.2197, 0.5836, 0.3748.



This preview shows how white text looks on a background with the Yxy color 14.2197, 0.5836, 0.3748.

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

14.2197, 0.5836, 0.3748

Protanopia

14.5555, 0.4315, 0.4786

Deuteranopia

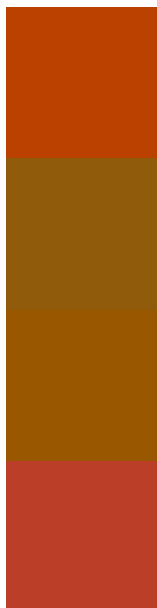
14.3757, 0.4692, 0.4657



Tritanopia

14.2724, 0.5277, 0.3262

Trichromacy



Original Color

14.2197, 0.5836, 0.3748

Protanomaly

13.6101, 0.4939, 0.4367

Deuteranomaly

13.7518, 0.5171, 0.4277

Tritanomaly

14.1701, 0.5594, 0.3505

Monochromacy



Original Color

14.2197, 0.5836, 0.3748

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0248, 0.4303, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2197, 0.5836, 0.3748 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, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 65, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.2197, 0.5836, 0.3748 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, 65, 0) }
```

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

```
.border{ border-color:rgb(186, 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(186, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 65, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.2197, 0.5836, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 65, 0) }
```

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

```
.background{ background-color: rgb(186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor