

Converting Colors

$Y_{xy}(13.2867, 0.5894, 0.3675)$

Have a look what the booklet for
Yxy(13.2867, 0.5894, 0.3675)
contains.

Yxy(13.3270, 0.5892, 0.3677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3270, 0.5892, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	B83B04
RGB	184, 59, 4
RGB Percent	72%, 23%, 2%
CMY	0.2784, 0.7687, 0.9842
CMYK	0.00, 0.68, 0.98, 0.28
HSL	18°, 96%, 37%
HSV	18°, 98%, 72%
XYZ	21.3551, 13.3270, 1.5621
YIQ	90.1050, 92.1550, 9.3950

Conversions

Conversions Part 2

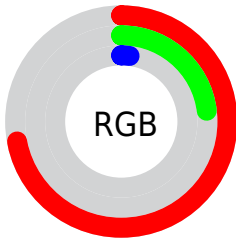
Format	Color
RYB	184, 83, 4
Decimal	12073732
CIELab	43.25, 48.57, 53.56
CIELCh	43, 72.303, 47.798
Yxy	13.3270, 0.5892, 0.3677
Android (android.graphics.Color)	4290263812 (0xFFB83B04)
YUV	90.1050, -42.4498, 82.3459
Hunter-Lab	36.5062, 40.5318, 23.0173

Details

The Yxy color **13.3270, 0.5892, 0.3677** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.1965, 0.1973, 0.2287**, and the grayscale version is **10.3310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8899, 0.5316, 0.3765**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.0398, 0.5948, 0.3659**, and if you desaturate by 10%, it is **14.8569, 0.5618, 0.3756**.

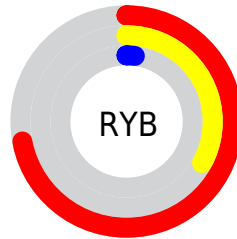
Distribution



Red (72%)

Green (23%)

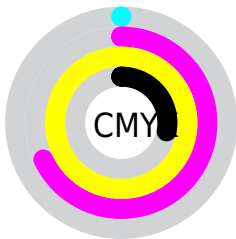
Blue (2%)



Red (72%)

Yellow (33%)

Blue (2%)

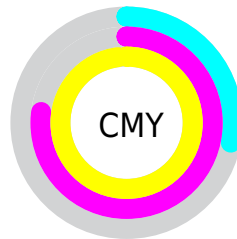


Cyan (0%)

Magenta (68%)

Yellow (98%)

Black (28%)



Cyan (28%)


Magenta (77%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3270, 0.5892, 0.3677 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 13.3270, 0.5892, 0.3677 by changing the saturation by 10% instead.


 13.3270, 0.5892,
0.3677


 13.3270, 0.5892,
0.3677


 213.0029, 0.4342,
0.3672


 7.6541, 0.6303,
0.3574


 31.8900, 0.5322,
0.3758


 3.8744, 0.6696,
0.3304


 45.5489, 0.5106,
0.3760

 1.6036, 0.7164,
0.2836


 62.6386, 0.4924,
0.3752

 0.3600, 0.8278,
0.1722

 83.5435, 0.4770,
0.3738


 0.0000, 1.0000,
0.0000


 108.6480, 0.4639,
0.3722


 0.0000, 0.0000,
0.0000


 138.3364, 0.4526,


0.3706

 172.9933, 0.4428,
0.3689


 13.3270, 0.5892,
0.3677


 13.3270, 0.5892,
0.3677


 13.0398, 0.5948,
0.3659

 14.8569, 0.5618,
0.3756

 16.7777, 0.5284,
0.3792

 19.1214, 0.4921,
0.3783

 21.9134, 0.4560,
0.3740

 25.1771, 0.4224,
0.3674

■ 28.9340, 0.3925,
0.3595

■ 33.2043, 0.3664,
0.3511

■ 38.0069, 0.3442,
0.3428

■ 43.3598, 0.3254,
0.3349

Harmonies

Analogous

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



13.3270, 0.5607, 0.2883



13.3270, 0.5892, 0.3677



13.3270, 0.5258, 0.4647

Triad

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



13.3270, 0.5892, 0.3677



13.3270, 0.1772, 0.4928



13.3270, 0.1664, 0.1365

Complementary

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



13.3270, 0.5892, 0.3677



19.1965, 0.1973, 0.2287

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.



13.3270, 0.1118, 0.1416



13.3270, 0.5892, 0.3677



13.3270, 0.1112, 0.3003

Square

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



13.3270, 0.5892, 0.3677



13.3270, 0.2885, 0.6149



13.3270, 0.0942, 0.1865



13.3270, 0.2723, 0.1618

Rectangle

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



13.3270, 0.5892, 0.3677



13.3270, 0.4542, 0.5375



13.3270, 0.0942, 0.1865



13.3270, 0.1433, 0.1347

Sweetspot

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



13.3278, 0.5892, 0.3677



58.8268, 0.3705, 0.3525



11.8909, 0.4118, 0.2054



11.9645, 0.3813, 0.3561



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.3278, 0.5892, 0.3677



23.2660, 0.5976, 0.3637



31.3840, 0.4580, 0.4731



9.4477, 0.3280, 0.3360



9.0972, 0.5926, 0.3677



0.4336, 0.5407, 0.4089

Inverse Universe

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



19.1965, 0.1973, 0.2287



33.7231, 0.1957, 0.2244



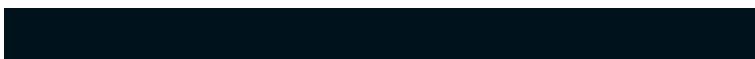
5.0057, 0.1570, 0.0830



9.7351, 0.2985, 0.3219



13.1185, 0.1966, 0.2276



0.5663, 0.2047, 0.2568

Previews

White Background



This preview shows how the Yxy color 13.3270, 0.5892, 0.3677 looks on a white background.

Color Contrast Check

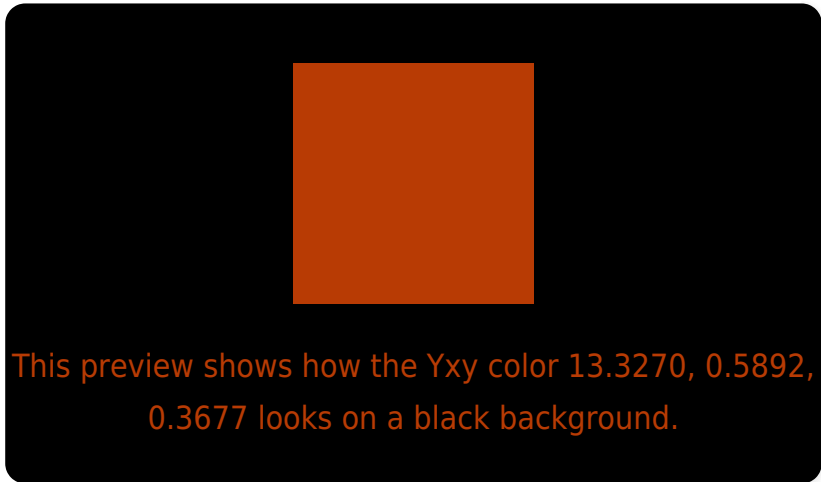
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3270, 0.5892, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 13.3270, 0.5892, 0.3677.



This preview shows how white text looks on a background with the Yxy color 13.3270, 0.5892, 0.3677.

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

13.3270, 0.5892, 0.3677

Protanopia

13.4640, 0.4309, 0.4764

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.3522, 0.5412, 0.3264

Trichromacy



Original Color

13.3270, 0.5892, 0.3677

Protanomaly

12.5108, 0.4982, 0.4307

Deuteranomaly

12.8269, 0.5207, 0.4240

Tritanomaly

13.2826, 0.5684, 0.3468

Monochromacy



Original Color

13.3270, 0.5892, 0.3677

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1928, 0.4316, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3270, 0.5892, 0.3677 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(184, 59, 4)` looks like.

```
.text, #text, p{  
    color:rgb(184, 59, 4)  
}
```

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(184, 59, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 59, 4) }
```

Border

The CSS property to change the border of an element to Yxy 13.3270, 0.5892, 0.3677 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(184, 59, 4) }
```

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

```
.border{ border-color:rgb(184, 59, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 59, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 59, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 59, 4);  
box-shadow:4px 4px 4px 4px rgb(184, 59, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3270, 0.5892, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 59, 4) }
```

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

```
.background{ background-color: rgb(184, 59,  
4) }
```

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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