

Converting Colors

$Y_{xy}(13.8880, 0.5659, 0.3740)$

Have a look what the booklet for
Yxy(13.8880, 0.5659, 0.3740)
contains.

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Color

Yxy(13.8880, 0.5659, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	B44414
RGB	180, 68, 20
RGB Percent	71%, 27%, 8%
CMY	0.2941, 0.7333, 0.9218
CMYK	0.00, 0.62, 0.89, 0.29
HSL	18°, 80%, 39%
HSV	18°, 89%, 71%
XYZ	21.0140, 13.8880, 2.2317
YIQ	96.0160, 82.1600, 8.8160

Conversions

Conversions Part 2

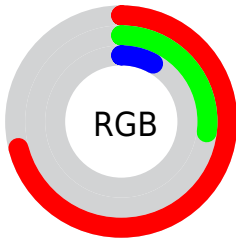
Format	Color
R_{YB}	180, 89, 20
Decimal	11813908
CIE Lab	44.07, 43.41, 48.84
CIE LCh	44, 65.341, 48.369
Yxy	13.8880, 0.5659, 0.3740
Android (android.graphics.Color)	4290003988 (0xFFB44414)
YUV	96.0160, -37.4759, 73.6540
Hunter-Lab	37.2666, 35.4363, 22.5360

Details

The Yxy color **13.8880, 0.5659, 0.3740** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.9208, 0.2024, 0.2405**, and the grayscale version is **11.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7399, 0.5119, 0.3774**, and **4.1390, 0.6300, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **12.4794, 0.5930, 0.3660**, and if you desaturate by 10%, it is **15.6686, 0.5329, 0.3781**.

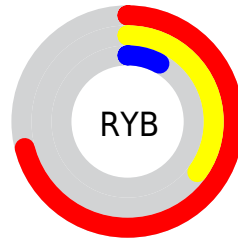
Distribution



Red (71%)

Green (27%)

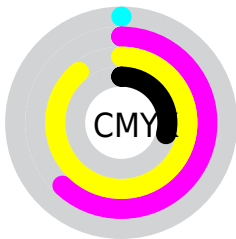
Blue (8%)



Red (71%)

Yellow (35%)

Blue (8%)

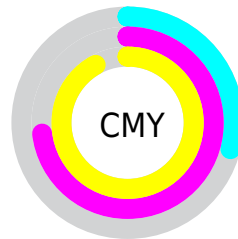


Cyan (0%)

Magenta (62%)

Yellow (89%)

Black (29%)



Cyan (29%)


Magenta (73%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8880, 0.5659, 0.3740 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 13.8880, 0.5659, 0.3740 by changing the saturation by 10% instead.


 13.8880, 0.5659,
0.3740


 13.8880, 0.5659,
0.3740


216.5330, 0.4221,
0.3655


 8.0428, 0.6026,
0.3659


 32.8902, 0.5117,
0.3774


 4.1224, 0.6506,
0.3494

 46.8159, 0.4916,
0.3764

 1.7422, 0.6933,
0.3067

 64.2040, 0.4749,
0.3747

 0.4508, 0.7872,
0.2128

 85.4388, 0.4608,
0.3729

 0.0000, 1.0000,
0.0000


 110.9047, 0.4489,
0.3709

 0.0000, 0.0000,
0.0000

 140.9861, 0.4387,

0.3690

 176.0674, 0.4298,
0.3672


 13.8880, 0.5659,
0.3740


 13.8880, 0.5659,
0.3740


 12.4794, 0.5930,
0.3660


 15.6686, 0.5329,
0.3781

 12.3473, 0.5957,
0.3652

 17.8511, 0.4965,
0.3777

 20.4612, 0.4601,
0.3738

 23.5214, 0.4261,
0.3675

 27.0529, 0.3956,
0.3598

■ 31.0751, 0.3691,
0.3516

■ 35.6064, 0.3465,
0.3435

■ 40.6641, 0.3273,
0.3356

■ 46.2649, 0.3111,
0.3282

Harmonies

Analogous

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



13.8880, 0.5371, 0.2967



13.8880, 0.5659, 0.3740



13.8880, 0.5099, 0.4622

Triad

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



13.8880, 0.5659, 0.3740



13.8880, 0.1904, 0.4696



13.8880, 0.1799, 0.1505

Complementary

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



13.8880, 0.5659, 0.3740



19.9208, 0.2024, 0.2405

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.



13.8880, 0.1265, 0.1557



13.8880, 0.5659, 0.3740



13.8880, 0.1269, 0.3036

Square

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



13.8880, 0.5659, 0.3740



13.8880, 0.2950, 0.5810



13.8880, 0.1092, 0.1993



13.8880, 0.2796, 0.1752

Rectangle

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



13.8880, 0.5659, 0.3740



13.8880, 0.4456, 0.5245



13.8880, 0.1092, 0.1993



13.8880, 0.1575, 0.1487

Sweetspot

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



13.8888, 0.5659, 0.3740



57.4954, 0.3656, 0.3504



11.8655, 0.4007, 0.2046



11.8675, 0.3738, 0.3532



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.8888, 0.5659, 0.3740



22.0342, 0.5986, 0.3629



30.9262, 0.4507, 0.4719



8.9077, 0.3280, 0.3359



8.7234, 0.5936, 0.3669



0.3794, 0.5379, 0.4111

Inverse Universe

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



19.9208, 0.2024, 0.2405



32.5705, 0.1962, 0.2263



5.8941, 0.1640, 0.0992



9.1919, 0.2986, 0.3220



12.8231, 0.1971, 0.2295



0.4998, 0.2057, 0.2605

Previews

White Background



This preview shows how the Yxy color 13.8880, 0.5659, 0.3740 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 13.8880, 0.5659, 0.3740 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 13.8880, 0.5659, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 13.8880, 0.5659, 0.3740.



This preview shows how white text looks on a background with the Yxy color 13.8880, 0.5659, 0.3740.

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

13.8880, 0.5659, 0.3740

Protanopia

14.0434, 0.4250, 0.4683

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.8958, 0.5137, 0.3259

Trichromacy



Original Color

13.8880, 0.5659, 0.3740

Protanomaly

13.3916, 0.4813, 0.4298

Deuteranomaly

13.4788, 0.5107, 0.4274

Tritanomaly

13.8346, 0.5393, 0.3466

Monochromacy



Original Color

13.8880, 0.5659, 0.3740

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5850, 0.4137, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8880, 0.5659, 0.3740 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(180, 68, 20)` looks like.

```
.text, #text, p{  
    color:rgb(180, 68, 20)  
}
```

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(180, 68, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 68, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.8880, 0.5659, 0.3740 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(180, 68, 20) }
```

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

```
.border{ border-color:rgb(180, 68, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 68, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 68, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 68, 20);  
box-shadow:4px 4px 4px 4px rgb(180, 68,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8880, 0.5659, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 68, 20) }
```

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

```
.background{ background-color: rgb(180, 68,  
20) }
```

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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