

Converting Colors

$Y_{xy}(13.8681, 0.5597, 0.3826)$

Have a look what the booklet for
Yxy(13.8681, 0.5597, 0.3826)
contains.

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Color

Yxy(13.9022, 0.5593, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	B04810
RGB	176, 72, 16
RGB Percent	69%, 28%, 6%
CMY	0.3099, 0.7176, 0.9373
CMYK	0.00, 0.59, 0.91, 0.31
HSL	21°, 83%, 38%
HSV	21°, 91%, 69%
XYZ	20.3122, 13.9022, 2.1028
YIQ	96.7120, 79.9600, 4.6320

Conversions

Conversions Part 2

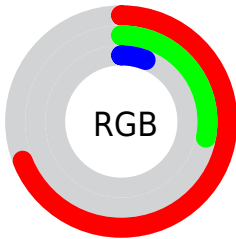
Format	Color
R_{YB}	176, 102, 16
Decimal	11552784
CIE Lab	44.09, 39.92, 49.95
CIE LCh	44, 63.939, 51.370
Yxy	13.9022, 0.5593, 0.3828
Android (android.graphics.Color)	4289742864 (0xFFB04810)
YUV	96.7120, -39.7910, 69.5356
Hunter-Lab	37.2857, 31.9919, 22.7562

Details

The Yxy color **13.9022, 0.5593, 0.3828** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.6655, 0.1970, 0.2224**, and the grayscale version is **11.9661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9977, 0.5064, 0.3843**, and **4.1787, 0.6181, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **12.6330, 0.5827, 0.3755**, and if you desaturate by 10%, it is **15.5979, 0.5291, 0.3872**.

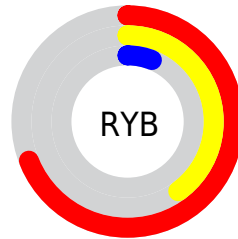
Distribution



Red (69%)

Green (28%)

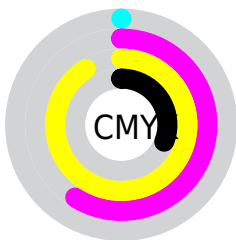
Blue (6%)



Red (69%)

Yellow (40%)

Blue (6%)

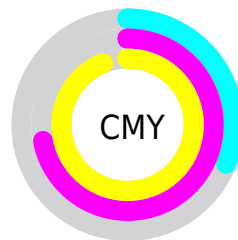


Cyan (0%)

Magenta (59%)

Yellow (91%)

Black (31%)



Cyan (31%)


Magenta (72%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9022, 0.5593, 0.3828 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 13.9022, 0.5593, 0.3828 by changing the saturation by 10% instead.


 13.9022, 0.5593,
0.3828


 13.9022, 0.5593,
0.3828


216.6216, 0.4198,
0.3690


 8.0527, 0.5949,
0.3763


 32.9154, 0.5070,
0.3842


 4.1287, 0.6394,
0.3606

 46.8479, 0.4875,
0.3824


 1.7458, 0.6801,
0.3199

 64.2434, 0.4713,
0.3802

 0.4530, 0.7727,
0.2273

 85.4865, 0.4576,
0.3778

 0.0000, 1.0000,
0.0000


 110.9614, 0.4460,
0.3755


 0.0000, 0.0000,
0.0000


 141.0527, 0.4360,


0.3732


 176.1446, 0.4273,
0.3710

 13.9022, 0.5593,
0.3828

 13.9022, 0.5593,
0.3828


 12.6330, 0.5827,
0.3755

 15.5979, 0.5291,
0.3872

 17.6338, 0.4954,
0.3868

 20.0308, 0.4612,
0.3824

 22.8073, 0.4286,
0.3753

 25.9800, 0.3990,
0.3666

■ 29.5647, 0.3728,
0.3571

■ 33.5761, 0.3501,
0.3476

■ 38.0284, 0.3307,
0.3384

■ 42.9349, 0.3141,
0.3298

Harmonies

Analogous

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



13.9022, 0.5399, 0.3053



13.9022, 0.5593, 0.3828



13.9022, 0.4990, 0.4707

Triad

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



13.9022, 0.5593, 0.3828



13.9022, 0.1846, 0.4496



13.9022, 0.1899, 0.1543

Complementary

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



13.9022, 0.5593, 0.3828



16.6655, 0.1970, 0.2224

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.



13.9022, 0.1327, 0.1564



13.9022, 0.5593, 0.3828



13.9022, 0.1264, 0.2911

Square

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



13.9022, 0.5593, 0.3828



13.9022, 0.2852, 0.5705



13.9022, 0.1124, 0.1953



13.9022, 0.2929, 0.1816

Rectangle

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



13.9022, 0.5593, 0.3828



13.9022, 0.4340, 0.5304



13.9022, 0.1124, 0.1953



13.9022, 0.1661, 0.1516

Sweetspot

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



13.9030, 0.5593, 0.3828



56.0469, 0.3646, 0.3539



10.9540, 0.4196, 0.2140



11.6417, 0.3725, 0.3570



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.



13.9030, 0.5593, 0.3828



22.5324, 0.5857, 0.3731



31.7161, 0.4427, 0.4805



8.9759, 0.3279, 0.3370



9.3719, 0.5808, 0.3770



0.4069, 0.5267, 0.4200

Inverse Universe

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



16.6655, 0.1970, 0.2224



27.2204, 0.1912, 0.2084



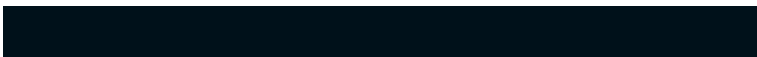
4.7611, 0.1599, 0.0864



9.1206, 0.2986, 0.3208



11.3031, 0.1922, 0.2119



0.4600, 0.2023, 0.2484

Previews

White Background



This preview shows how the Yxy color 13.9022, 0.5593, 0.3828 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 13.9022, 0.5593, 0.3828 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 13.9022, 0.5593, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 13.9022, 0.5593, 0.3828.



This preview shows how white text looks on a background with the Yxy color 13.9022, 0.5593, 0.3828.

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

13.9022, 0.5593, 0.3828

Protanopia

14.0249, 0.4278, 0.4725

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.9342, 0.5006, 0.3244

Trichromacy



Original Color

13.9022, 0.5593, 0.3828

Protanomaly

13.3756, 0.4799, 0.4364

Deuteranomaly

13.7150, 0.5062, 0.4317

Tritanomaly

13.8424, 0.5293, 0.3513

Monochromacy



Original Color

13.9022, 0.5593, 0.3828

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8324, 0.4102, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9022, 0.5593, 0.3828 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(176, 72, 16)` looks like.

```
.text, #text, p{  
    color:rgb(176, 72, 16)  
}
```

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(176, 72, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 72, 16) }
```

Border

The CSS property to change the border of an element to Yxy 13.9022, 0.5593, 0.3828 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(176, 72, 16) }
```

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

```
.border{ border-color:rgb(176, 72, 16) }
```

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

Here you see how a box with a 4 pixel rgb(176, 72, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 72, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 72, 16);  
box-shadow:4px 4px 4px 4px rgb(176, 72,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9022, 0.5593, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 72, 16) }
```

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

```
.background{ background-color: rgb(176, 72,  
16) }
```

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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