

Converting Colors

$Y_{xy}(12.3880, 0.5954, 0.3451)$

Have a look what the booklet for
Yxy(12.3880, 0.5954, 0.3451)
contains.

Yxy(12.3818, 0.5954, 0.3452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3818, 0.5954, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	BA2D18
RGB	186, 45, 24
RGB Percent	73%, 18%, 9%
CMY	0.2705, 0.8236, 0.9057
CMYK	0.00, 0.76, 0.87, 0.27
HSL	8°, 77%, 41%
HSV	8°, 87%, 73%
XYZ	21.3561, 12.3818, 2.1306
YIQ	84.7650, 90.7770, 23.3610

Conversions

Conversions Part 2

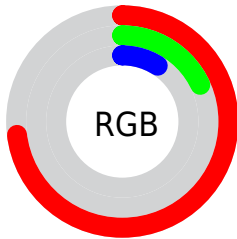
Format	Color
RYB	186, 48, 24
Decimal	12201240
CIELab	41.82, 54.76, 45.79
CIElCh	42, 71.382, 39.901
Yxy	12.3818, 0.5954, 0.3452
Android (android.graphics.Color)	4290391320 (0xFFBA2D18)
YUV	84.7650, -29.9571, 88.7831
Hunter-Lab	35.1878, 46.7562, 21.0415

Details

The Yxy color **12.3818, 0.5954, 0.3452** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **30.6766, 0.2172, 0.2933**, and the grayscale version is **9.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2817, 0.5330, 0.3562**, and **4.2851, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.3212, 0.6224, 0.3401**, and if you desaturate by 10%, it is **13.9694, 0.5576, 0.3484**.

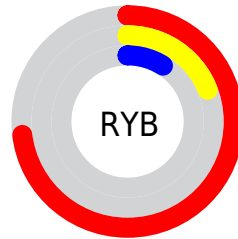
Distribution



Red (73%)

Green (18%)

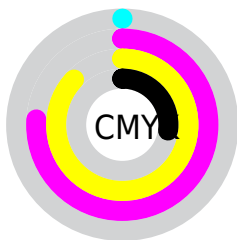
Blue (9%)



Red (73%)

Yellow (19%)

Blue (9%)

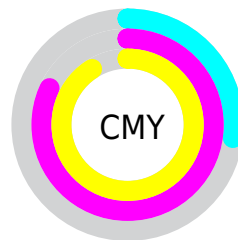


Cyan (0%)

Magenta (76%)

Yellow (87%)

Black (27%)



Cyan (27%)


Magenta (82%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3818, 0.5954, 0.3452 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 12.3818, 0.5954, 0.3452 by changing the saturation by 10% instead.


 12.3818, 0.5954,
0.3452


 12.3818, 0.5954,
0.3452


206.9168, 0.4319,
0.3548


 7.0043, 0.6386,
0.3314

 30.1886, 0.5329,
0.3562


 3.4648, 0.6938,
0.3062

 43.3866, 0.5100,
0.3578


 1.3789, 0.7461,
0.2539

 59.9603, 0.4911,
0.3582

 0.2011, 0.8959,
0.1041

 80.2940, 0.4752,
0.3579


 0.0000, 1.0000,
0.0000


 104.7721, 0.4618,
0.3574

 0.0000, 0.0000,
0.0000


 133.7790, 0.4504,


0.3566

 167.6991, 0.4405,
0.3557


 12.3818, 0.5954,
0.3452

 12.3818, 0.5954,
0.3452


 11.3212, 0.6224,
0.3401


 13.9694, 0.5576,
0.3484

 11.0964, 0.6287,
0.3390

 16.1410, 0.5144,
0.3491

 18.9473, 0.4711,
0.3478

 22.4331, 0.4314,
0.3452

 26.6391, 0.3969,
0.3419

■ 31.6025, 0.3679,
0.3383

■ 37.3582, 0.3440,
0.3347

■ 43.9388, 0.3244,
0.3313

■ 51.3751, 0.3084,
0.3281

Harmonies

Analogous

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



12.3818, 0.5360, 0.2676



12.3818, 0.5954, 0.3452



12.3818, 0.5505, 0.4370

Triad

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



12.3818, 0.5954, 0.3452



12.3818, 0.2020, 0.5441



12.3818, 0.1464, 0.1334

Complementary

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



12.3818, 0.5954, 0.3452



30.6766, 0.2172, 0.2933

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.



12.3818, 0.1026, 0.1473



12.3818, 0.5954, 0.3452



12.3818, 0.1215, 0.3455

Square

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



12.3818, 0.5954, 0.3452



12.3818, 0.3198, 0.6186



12.3818, 0.0934, 0.2068



12.3818, 0.2379, 0.1509

Rectangle

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



12.3818, 0.5954, 0.3452



12.3818, 0.4867, 0.5113



12.3818, 0.0934, 0.2068



12.3818, 0.1274, 0.1342

Sweetspot

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



12.3826, 0.5954, 0.3452



57.9013, 0.3662, 0.3380



13.8903, 0.3476, 0.1752



12.0193, 0.3756, 0.3393



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.



12.3826, 0.5954, 0.3452



19.9184, 0.6305, 0.3376



24.9035, 0.4867, 0.4389



9.1944, 0.3285, 0.3320



7.5274, 0.6272, 0.3402



0.3263, 0.5895, 0.3702

Inverse Universe

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



30.6766, 0.2172, 0.2933



52.9782, 0.2130, 0.2869



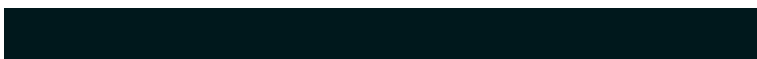
10.4168, 0.1777, 0.1471



10.0072, 0.2985, 0.3260



19.8354, 0.2134, 0.2882



0.7549, 0.2166, 0.2997

Previews

White Background



This preview shows how the Yxy color 12.3818, 0.5954, 0.3452 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

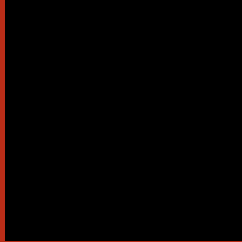
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3818, 0.5954, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 12.3818, 0.5954, 0.3452.



This preview shows how white text looks on a background with the Yxy color 12.3818, 0.5954, 0.3452.

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

12.3818, 0.5954, 0.3452

Protanopia

12.6274, 0.4139, 0.4565

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.3487, 0.5744, 0.3289

Trichromacy



Original Color

12.3818, 0.5954, 0.3452

Protanomaly

11.2449, 0.4918, 0.4063

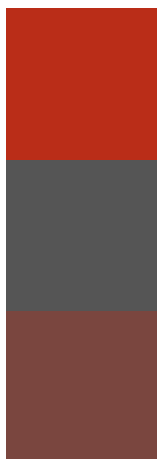
Deuteranomaly

11.6234, 0.5279, 0.4114

Tritanomaly

12.3740, 0.5828, 0.3357

Monochromacy



Original Color

12.3818, 0.5954, 0.3452

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.8768, 0.4304, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3818, 0.5954, 0.3452 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, 45, 24)` looks like.

```
.text, #text, p{  
    color:rgb(186, 45, 24)  
}
```

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, 45, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 45, 24) }
```

Border

The CSS property to change the border of an element to Yxy 12.3818, 0.5954, 0.3452 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, 45, 24) }
```

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

```
.border{ border-color:rgb(186, 45, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 45, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 45, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 45, 24);  
box-shadow:4px 4px 4px 4px rgb(186, 45,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3818, 0.5954, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 45, 24) }
```

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

```
.background{ background-color: rgb(186, 45,  
24) }
```

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