

Converting Colors

$Y_{xy}(12.8699, 0.5821, 0.3739)$

Have a look what the booklet for
Yxy(12.8699, 0.5821, 0.3739)
contains.

Yxy(12.9168, 0.5820, 0.3740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9168, 0.5820, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	B23E03
RGB	178, 62, 3
RGB Percent	70%, 24%, 1%
CMY	0.3019, 0.7569, 0.9883
CMYK	0.00, 0.65, 0.98, 0.30
HSL	20°, 97%, 35%
HSV	20°, 98%, 70%
XYZ	20.1005, 12.9168, 1.5196
YIQ	89.9580, 88.0750, 6.2430

Conversions

Conversions Part 2

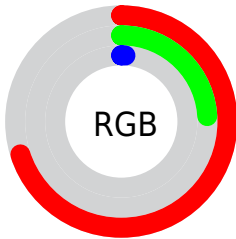
Format	Color
R_{YB}	178, 92, 3
Decimal	11681283
CIE Lab	42.64, 45.14, 52.95
CIE LCh	43, 69.580, 49.548
Yxy	12.9168, 0.5820, 0.3740
Android (android.graphics.Color)	4289871363 (0xFFB23E03)
YUV	89.9580, -42.8703, 77.2128
Hunter-Lab	35.9399, 36.9365, 22.6510

Details

The Yxy color **12.9168, 0.5820, 0.3740** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.4276, 0.1940, 0.2172**, and the grayscale version is **10.2976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2677, 0.5252, 0.3804**, and **3.7819, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.6992, 0.5863, 0.3727**, and if you desaturate by 10%, it is **14.3899, 0.5553, 0.3818**.

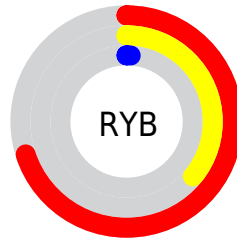
Distribution



Red (70%)

Green (24%)

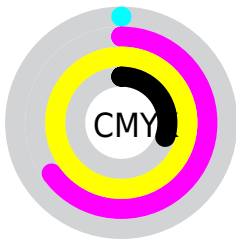
Blue (1%)



Red (70%)

Yellow (36%)

Blue (1%)

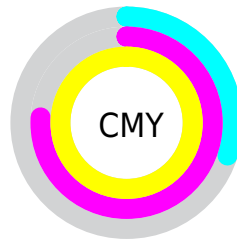


Cyan (0%)

Magenta (65%)

Yellow (98%)

Black (30%)



Cyan (30%)


Magenta (76%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9168, 0.5820, 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 12.9168, 0.5820, 0.3740 by changing the saturation by 10% instead.


 12.9168, 0.5820,
0.3740


 12.9168, 0.5820,
0.3740


 210.3838, 0.4303,
0.3690


 7.3713, 0.6232,
0.3653


 31.1542, 0.5260,
0.3803


 3.6954, 0.6612,
0.3388

 44.6149, 0.5047,
0.3798

 1.5047, 0.7077,
0.2923

 61.4828, 0.4869,
0.3785

 0.2920, 0.8373,
0.1627

 82.1423, 0.4719,
0.3767


 0.0000, 1.0000,
0.0000


 106.9777, 0.4591,
0.3748


 0.0000, 0.0000,
0.0000


 136.3735, 0.4481,


0.3728


 170.7141, 0.4386,
0.3709


 12.9168, 0.5820,
0.3740


 12.9168, 0.5820,
0.3740


 12.6992, 0.5863,
0.3727

 14.3899, 0.5553,
0.3818

 16.2011, 0.5234,
0.3851

 18.3781, 0.4886,
0.3838

 20.9420, 0.4540,
0.3789

 23.9120, 0.4216,
0.3716

■ 27.3059, 0.3924,
0.3629

■ 31.1404, 0.3669,
0.3538

■ 35.4313, 0.3449,
0.3446

■ 40.1933, 0.3261,
0.3359

Harmonies

Analogous

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



12.9168, 0.5592, 0.2945



12.9168, 0.5820, 0.3740



12.9168, 0.5171, 0.4700

Triad

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



12.9168, 0.5820, 0.3740



12.9168, 0.1757, 0.4765



12.9168, 0.1740, 0.1405

Complementary

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



12.9168, 0.5820, 0.3740



16.4276, 0.1940, 0.2172

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.



12.9168, 0.1173, 0.1439



12.9168, 0.5820, 0.3740



12.9168, 0.1131, 0.2929

Square

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



12.9168, 0.5820, 0.3740



12.9168, 0.2839, 0.6045



12.9168, 0.0979, 0.1859



12.9168, 0.2813, 0.1673

Rectangle

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



12.9168, 0.5820, 0.3740



12.9168, 0.4459, 0.5398



12.9168, 0.0979, 0.1859



12.9168, 0.1501, 0.1382

Sweetspot

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



12.9176, 0.5820, 0.3740



55.6013, 0.3697, 0.3548



10.8788, 0.4246, 0.2122



11.6549, 0.3802, 0.3587



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.



12.9176, 0.5820, 0.3740



22.6466, 0.5893, 0.3703



30.9161, 0.4509, 0.4791



8.9580, 0.3279, 0.3367



9.1914, 0.5842, 0.3743



0.3997, 0.5295, 0.4178

Inverse Universe

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



16.4276, 0.1940, 0.2172



28.8787, 0.1925, 0.2130



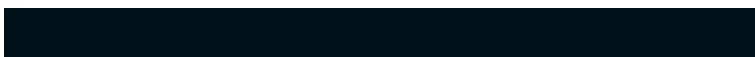
4.2757, 0.1552, 0.0772



9.1392, 0.2986, 0.3211



11.6881, 0.1935, 0.2165



0.4702, 0.2032, 0.2516

Previews

White Background



This preview shows how the Yxy color 12.9168, 0.5820, 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 12.9168, 0.5820, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

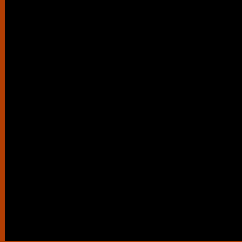
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9168, 0.5820, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 12.9168, 0.5820, 0.3740.



This preview shows how white text looks on a background with the Yxy color 12.9168, 0.5820, 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

12.9168, 0.5820, 0.3740

Protanopia

13.1272, 0.4300, 0.4780

Deuteranopia

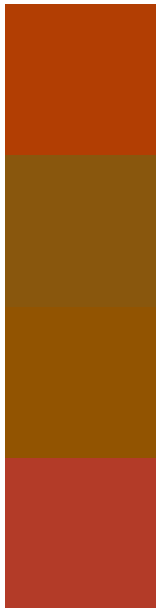
12.9549, 0.4698, 0.4652



Tritanopia

12.9467, 0.5276, 0.3261

Trichromacy



Original Color

12.9168, 0.5820, 0.3740

Protanomaly

12.1638, 0.4934, 0.4350

Deuteranomaly

12.4538, 0.5161, 0.4276

Tritanomaly

12.8648, 0.5579, 0.3495

Monochromacy



Original Color

12.9168, 0.5820, 0.3740

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1804, 0.4287, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9168, 0.5820, 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(178, 62, 3)` looks like.

```
.text, #text, p{  
    color:rgb(178, 62, 3)  
}
```

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(178, 62, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 62, 3) }
```

Border

The CSS property to change the border of an element to Yxy 12.9168, 0.5820, 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(178, 62, 3) }
```

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

```
.border{ border-color:rgb(178, 62, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 62, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 62, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 62, 3);  
box-shadow:4px 4px 4px 4px rgb(178, 62, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9168, 0.5820, 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(178, 62, 3) }
```

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

```
.background{ background-color: rgb(178, 62,  
3) }
```

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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