

Converting Colors

$Y_{xy}(10.1827, 0.5241, 0.3702)$

Have a look what the booklet for
Yxy(10.1827, 0.5241, 0.3702)
contains.

Yxy(10.2039, 0.5243, 0.3710)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2039, 0.5243, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	944124
RGB	148, 65, 36
RGB Percent	58%, 25%, 14%
CMY	0.4197, 0.7450, 0.8588
CMYK	0.00, 0.56, 0.76, 0.42
HSL	16°, 61%, 36%
HSV	16°, 76%, 58%
XYZ	14.4202, 10.2039, 2.8796
YIQ	86.5110, 58.7770, 8.5770

Conversions

Conversions Part 2

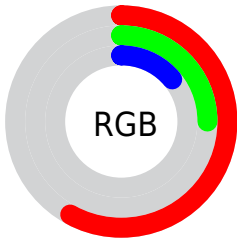
Format	Color
R_{YB}	148, 75, 36
Decimal	9716004
CIE _{Lab}	38.21, 33.03, 33.87
CIE _{LCh}	38, 47.308, 45.722
Yxy	10.2039, 0.5243, 0.3710
Android (android.graphics.Color)	4287906084 (0xFF944124)
YUV	86.5110, -24.9019, 53.9259
Hunter-Lab	31.9435, 24.6788, 17.0156

Details

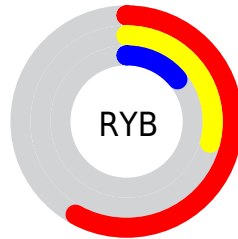
The Yxy color **10.2039, 0.5243, 0.3710** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.7043, 0.2156, 0.2673**, and the grayscale version is **9.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1361, 0.4716, 0.3692**, and **2.5658, 0.6136, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **8.9925, 0.5603, 0.3686**, and if you desaturate by 10%, it is **11.6983, 0.4863, 0.3697**.

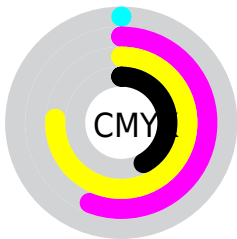
Distribution



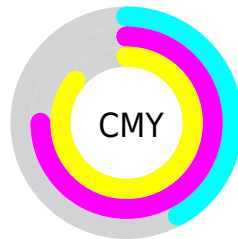
- Red (58%)
- Green (25%)
- Blue (14%)



- Red (58%)
- Yellow (29%)
- Blue (14%)



- Cyan (0%)
- Magenta (56%)
- Yellow (76%)
- Black (42%)





- Cyan (42%)
- Magenta (75%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2039, 0.5243, 0.3710 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 10.2039, 0.5243, 0.3710 by changing the saturation by 10% instead.

 10.2039, 0.5243,
0.3710


 10.2039, 0.5243,
0.3710


192.1212, 0.3948,
0.3556


 5.5344, 0.5640,
0.3674


 26.1783, 0.4711,
0.3691


 2.5641, 0.6354,
0.3646


 38.2520, 0.4529,
0.3670


 0.9086, 0.6844,
0.3156

 53.5625, 0.4383,
0.3647

 0.0000, 1.0000,
0.0000

 72.4942, 0.4264,
0.3626

 0.0000, 0.0000,
0.0000

 95.4315, 0.4165,
0.3606

 122.7589, 0.4081,

0.3588

154.8606, 0.4010,
0.3571

10.2039, 0.5243,
0.3710

10.2039, 0.5243,
0.3710

8.9925, 0.5603,
0.3686

11.6983, 0.4863,
0.3697

8.0426, 0.5906,
0.3623

13.4913, 0.4495,
0.3656

7.7020, 0.6028,
0.3595

15.5991, 0.4159,
0.3597

18.0363, 0.3864,
0.3530

20.8165, 0.3611,
0.3460

■ 23.9525, 0.3396,
0.3391

■ 27.4565, 0.3216,
0.3325

■ 31.3401, 0.3065,
0.3264

■ 35.6143, 0.2938,
0.3208

Harmonies

Analogous

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



10.2039, 0.4883, 0.3011



10.2039, 0.5243, 0.3710



10.2039, 0.4902, 0.4456

Triad

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



10.2039, 0.5243, 0.3710



10.2039, 0.2220, 0.4498



10.2039, 0.1958, 0.1755

Complementary

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



10.2039, 0.5243, 0.3710



15.7043, 0.2156, 0.2673

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.



10.2039, 0.1504, 0.1845



10.2039, 0.5243, 0.3710



10.2039, 0.1601, 0.3229

Square

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



10.2039, 0.5243, 0.3710



10.2039, 0.3146, 0.5295



10.2039, 0.1382, 0.2296



10.2039, 0.2783, 0.1951

Rectangle

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



10.2039, 0.5243, 0.3710



10.2039, 0.4410, 0.4933



10.2039, 0.1382, 0.2296



10.2039, 0.1767, 0.1751

Sweetspot

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



10.2045, 0.5243, 0.3710



37.9012, 0.3560, 0.3444



8.9134, 0.3708, 0.2036



8.2542, 0.3637, 0.3468



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



10.2045, 0.5243, 0.3710



14.6263, 0.5826, 0.3643



19.8541, 0.4415, 0.4555



6.0451, 0.3276, 0.3348



6.6191, 0.6018, 0.3604



0.1232, 0.5299, 0.4174

Inverse Universe

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



15.7043, 0.2156, 0.2673



24.5063, 0.2047, 0.2511



6.1808, 0.1844, 0.1442



6.3106, 0.2990, 0.3231



11.3366, 0.2014, 0.2449



0.1864, 0.2135, 0.2886

Previews

White Background



This preview shows how the Yxy color 10.2039, 0.5243, 0.3710 looks on a white background.

Color Contrast Check

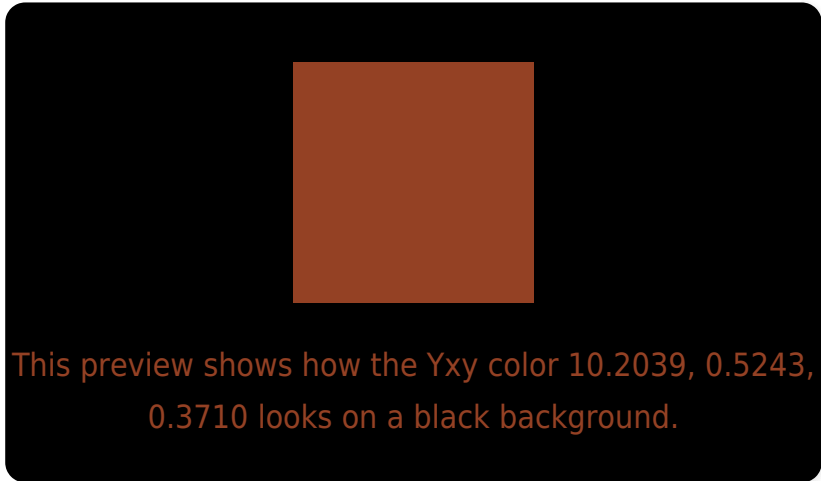
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2039, 0.5243, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 10.2039, 0.5243, 0.3710.



This preview shows how white text looks on a background with the Yxy color 10.2039, 0.5243, 0.3710.

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

10.2039, 0.5243, 0.3710

Protanopia

10.3733, 0.3986, 0.4375

Deuteranopia

10.2600, 0.4453, 0.4405



Tritanopia

10.2282, 0.4769, 0.3231

Trichromacy



Original Color

10.2039, 0.5243, 0.3710

Protanomaly

9.9766, 0.4446, 0.4125

Deuteranomaly

9.9887, 0.4777, 0.4117

Tritanomaly

10.2204, 0.4973, 0.3420

Monochromacy



Original Color

10.2039, 0.5243, 0.3710

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.2605, 0.3883, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2039, 0.5243, 0.3710 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(148, 65, 36)` looks like.

```
.text, #text, p{  
  color:rgb(148, 65, 36)  
}
```

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(148, 65, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 65, 36) }
```

Border

The CSS property to change the border of an element to Yxy 10.2039, 0.5243, 0.3710 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(148, 65, 36) }
```

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

```
.border{ border-color:rgb(148, 65, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 65, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 65, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 65, 36);  
box-shadow:4px 4px 4px 4px rgb(148, 65,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2039, 0.5243, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 65, 36) }
```

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

```
.background{ background-color: rgb(148, 65,  
36) }
```

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