

Converting Colors

$Y_{xy}(11.8223, 0.5016, 0.3576)$

Have a look what the booklet for
Yxy(11.8223, 0.5016, 0.3576)
contains.

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Color

Yxy(11.8223, 0.5016, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	9C4734
RGB	156, 71, 52
RGB Percent	61%, 28%, 20%
CMY	0.3882, 0.7215, 0.7961
CMYK	0.00, 0.54, 0.67, 0.39
HSL	11°, 50%, 41%
HSV	11°, 67%, 61%
XYZ	16.5830, 11.8223, 4.6549
YIQ	94.2490, 56.7590, 12.1110

Conversions

Conversions Part 2

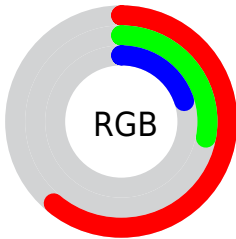
Format	Color
R_{YB}	156, 75, 52
Decimal	10241844
CIE Lab	40.93, 33.99, 28.23
CIE LCh	41, 44.184, 39.706
Yxy	11.8223, 0.5016, 0.3576
Android (android.graphics.Color)	4288431924 (0xFF9C4734)
YUV	94.2490, -20.8288, 54.1556
Hunter-Lab	34.3836, 25.9181, 16.0418

Details

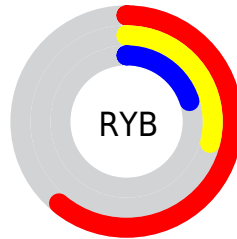
The Yxy color **11.8223, 0.5016, 0.3576** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.0147, 0.2271, 0.2918**, and the grayscale version is **11.2960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2670, 0.4541, 0.3569**, and **3.2065, 0.5916, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **10.2499, 0.5428, 0.3575**, and if you desaturate by 10%, it is **13.7826, 0.4612, 0.3553**.

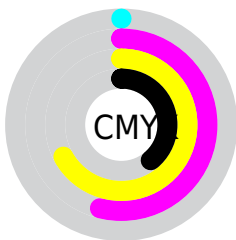
Distribution



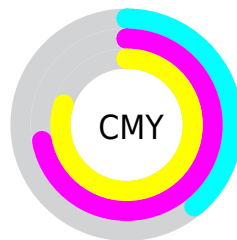
- Red (61%)
- Green (28%)
- Blue (20%)



- Red (61%)
- Yellow (29%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (67%)
- Black (39%)





- Cyan (39%)
- Magenta (72%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8223, 0.5016, 0.3576 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 11.8223, 0.5016, 0.3576 by changing the saturation by 10% instead.

 11.8223, 0.5016,
0.3576


 11.8223, 0.5016,
0.3576


203.2253, 0.3866,
0.3477


 6.6228, 0.5380,
0.3552


 29.1710, 0.4541,
0.3565

 3.2273, 0.5921,
0.3486

 42.0891, 0.4380,
0.3552

 1.2515, 0.6725,
0.3275

 58.3487, 0.4251,
0.3537

 0.1032, 0.9002,
0.0998

 78.3344, 0.4146,
0.3524

 0.0000, 0.0000,
0.0000

 102.4305, 0.4058,
0.3511

 131.0214, 0.3984,

0.3498

164.4916, 0.3921,
0.3487

■ 11.8223, 0.5016,
0.3576

■ 11.8223, 0.5016,
0.3576

■ 10.2499, 0.5428,
0.3575

■ 13.7826, 0.4612,
0.3553

■ 9.0373, 0.5804,
0.3544

■ 16.1526, 0.4243,
0.3514

■ 8.1539, 0.6101,
0.3485

■ 18.9548, 0.3922,
0.3466

■ 7.9236, 0.6188,
0.3468

■ 22.2093, 0.3650,
0.3416

■ 25.9351, 0.3423,
0.3367

■ 30.1500, 0.3234,
0.3320

■ 34.8710, 0.3079,
0.3276

■ 40.1141, 0.2949,
0.3236

■ 45.8947, 0.2842,
0.3199

Harmonies

Analogous

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



11.8223, 0.4549, 0.2932



11.8223, 0.5016, 0.3576



11.8223, 0.4851, 0.4255

Triad

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



11.8223, 0.5016, 0.3576



11.8223, 0.2480, 0.4545



11.8223, 0.1956, 0.1881

Complementary

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



11.8223, 0.5016, 0.3576



21.0147, 0.2271, 0.2918

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.



11.8223, 0.1594, 0.2034



11.8223, 0.5016, 0.3576



11.8223, 0.1833, 0.3466

Square

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



11.8223, 0.5016, 0.3576



11.8223, 0.3356, 0.5094



11.8223, 0.1546, 0.2543



11.8223, 0.2649, 0.2010

Rectangle

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



11.8223, 0.5016, 0.3576



11.8223, 0.4466, 0.4686



11.8223, 0.1546, 0.2543



11.8223, 0.1799, 0.1898

Sweetspot

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



11.8229, 0.5016, 0.3576



44.4870, 0.3502, 0.3385



11.3767, 0.3470, 0.2017



9.4021, 0.3561, 0.3398



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



11.8229, 0.5016, 0.3576



17.4576, 0.5620, 0.3564



21.0701, 0.4375, 0.4347



6.8327, 0.3280, 0.3332



6.5657, 0.6177, 0.3477



0.1648, 0.5575, 0.3956

Inverse Universe

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



21.0147, 0.2271, 0.2918



35.1587, 0.2164, 0.2821



9.8908, 0.2019, 0.1849



7.3030, 0.2988, 0.3248



14.6264, 0.2085, 0.2707



0.3106, 0.2157, 0.2964

Previews

White Background



This preview shows how the Yxy color 11.8223, 0.5016, 0.3576 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 11.8223, 0.5016, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

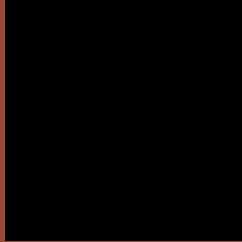
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8223, 0.5016, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 11.8223, 0.5016, 0.3576.



This preview shows how white text looks on a background with the Yxy color 11.8223, 0.5016, 0.3576.

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

11.8223, 0.5016, 0.3576

Protanopia

11.9505, 0.3794, 0.4100

Deuteranopia

12.0352, 0.4248, 0.4193



Tritanopia

11.7834, 0.4689, 0.3217

Trichromacy



Original Color

11.8223, 0.5016, 0.3576

Protanomaly

11.5700, 0.4229, 0.3894

Deuteranomaly

11.7053, 0.4547, 0.3950

Tritanomaly

11.8060, 0.4829, 0.3356

Monochromacy



Original Color

11.8223, 0.5016, 0.3576

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0020, 0.3778, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8223, 0.5016, 0.3576 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(156, 71, 52)` looks like.

```
.text, #text, p{  
    color:rgb(156, 71, 52)  
}
```

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(156, 71, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 71, 52) }
```

Border

The CSS property to change the border of an element to Yxy 11.8223, 0.5016, 0.3576 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(156, 71, 52) }
```

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

```
.border{ border-color:rgb(156, 71, 52) }
```

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

Here you see how a box with a 4 pixel rgb(156, 71, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 71, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 71, 52);  
box-shadow:4px 4px 4px 4px rgb(156, 71,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8223, 0.5016, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 71, 52) }
```

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

```
.background{ background-color: rgb(156, 71,  
52) }
```

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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