

Converting Colors

$Y_{xy}(11.9808, 0.5355, 0.3476)$

Have a look what the booklet for
Yxy(11.9808, 0.5355, 0.3476)
contains.

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Color

Yxy(11.9753, 0.5346, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	A83E2F
RGB	168, 62, 47
RGB Percent	66%, 24%, 18%
CMY	0.3411, 0.7569, 0.8157
CMYK	0.00, 0.63, 0.72, 0.34
HSL	7°, 56%, 42%
HSV	7°, 72%, 66%
XYZ	18.3860, 11.9753, 4.0307
YIQ	91.9840, 67.9910, 17.8070

Conversions

Conversions Part 2

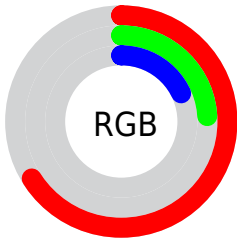
Format	Color
R_{YB}	168, 64, 47
Decimal	11025967
CIE Lab	41.18, 42.72, 31.92
CIE LCh	41, 53.329, 36.772
Yxy	11.9753, 0.5346, 0.3482
Android (android.graphics.Color)	4289216047 (0xFFA83E2F)
YUV	91.9840, -22.1771, 66.6660
Hunter-Lab	34.6053, 34.2785, 17.3178

Details

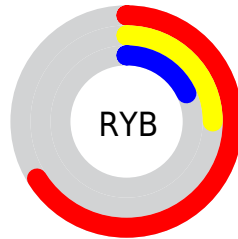
The Yxy color **11.9753, 0.5346, 0.3482** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **26.2170, 0.2259, 0.3016**, and the grayscale version is **10.7386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5008, 0.4803, 0.3512**, and **3.2751, 0.6370, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.4761, 0.5760, 0.3465**, and if you desaturate by 10%, it is **13.9616, 0.4909, 0.3478**.

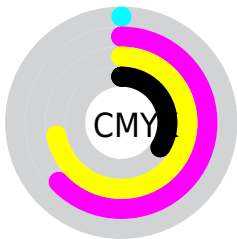
Distribution



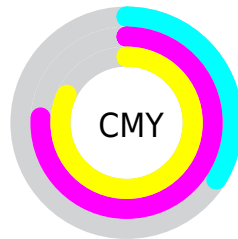
- Red (66%)
- Green (24%)
- Blue (18%)



- Red (66%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (63%)
- Yellow (72%)
- Black (34%)



- Cyan (34%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9753, 0.5346, 0.3482 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 11.9753, 0.5346, 0.3482 by changing the saturation by 10% instead.


 11.9753, 0.5346,
0.3482


 11.9753, 0.5346,
0.3482


204.2417, 0.4009,
0.3468


 6.7269, 0.5751,
0.3415


 29.4501, 0.4802,
0.3516


 3.2919, 0.6377,
0.3302

 42.4453, 0.4615,
0.3515

 1.2859, 0.7072,
0.2928

 58.7915, 0.4464,
0.3509

 0.1303, 0.9028,
0.0972

 78.8731, 0.4340,
0.3502

 0.0000, 1.0000,
0.0000

 103.0745, 0.4236,
0.3493

 0.0000, 0.0000,
0.0000

 131.7802, 0.4148,

0.3485

165.3744, 0.4073,
0.3476

■ 11.9753, 0.5346,
0.3482

■ 11.9753, 0.5346,
0.3482

■ 10.4761, 0.5760,
0.3465

■ 13.9616, 0.4909,
0.3478

■ 9.4196, 0.6092,
0.3424

■ 16.4703, 0.4493,
0.3458

■ 8.8562, 0.6286,
0.3391

■ 19.5355, 0.4124,
0.3429

■ 23.1882, 0.3810,
0.3395

■ 27.4567, 0.3549,
0.3361

■ 32.3679, 0.3334,
0.3327

■ 37.9467, 0.3159,
0.3296

■ 44.2169, 0.3015,
0.3267

■ 51.2010, 0.2897,
0.3241

Harmonies

Analogous

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



11.9753, 0.4737, 0.2780



11.9753, 0.5346, 0.3482



11.9753, 0.5163, 0.4249

Triad

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



11.9753, 0.5346, 0.3482



11.9753, 0.2421, 0.4953



11.9753, 0.1714, 0.1672

Complementary

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



11.9753, 0.5346, 0.3482



26.2170, 0.2259, 0.3016

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.



11.9753, 0.1352, 0.1858



11.9753, 0.5346, 0.3482



11.9753, 0.1660, 0.3609

Square

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



11.9753, 0.5346, 0.3482



11.9753, 0.3435, 0.5479



11.9753, 0.1322, 0.2461



11.9753, 0.2457, 0.1793

Rectangle

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



11.9753, 0.5346, 0.3482



11.9753, 0.4712, 0.4781



11.9753, 0.1322, 0.2461



11.9753, 0.1554, 0.1697

Sweetspot

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



11.9760, 0.5346, 0.3482



49.5072, 0.3558, 0.3362



12.6880, 0.3409, 0.1881



10.3348, 0.3621, 0.3371



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



11.9760, 0.5346, 0.3482



17.8501, 0.5958, 0.3445



22.3574, 0.4561, 0.4325



7.6866, 0.3283, 0.3319



6.7302, 0.6274, 0.3401



0.2079, 0.5840, 0.3745

Inverse Universe

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



26.2170, 0.2259, 0.3016



44.8602, 0.2176, 0.2949



11.3278, 0.1962, 0.1824



8.3710, 0.2987, 0.3261



17.9845, 0.2139, 0.2901



0.4804, 0.2178, 0.3041

Previews

White Background



This preview shows how the Yxy color 11.9753, 0.5346, 0.3482 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 11.9753, 0.5346, 0.3482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

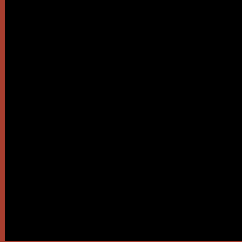
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9753, 0.5346, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 11.9753, 0.5346, 0.3482.



This preview shows how white text looks on a background with the Yxy color 11.9753, 0.5346, 0.3482.

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

11.9753, 0.5346, 0.3482

Protanopia

12.1769, 0.3830, 0.4157

Deuteranopia

12.1264, 0.4368, 0.4292



Tritanopia

12.0256, 0.5111, 0.3256

Trichromacy



Original Color

11.9753, 0.5346, 0.3482

Protanomaly

11.4400, 0.4394, 0.3869

Deuteranomaly

11.6980, 0.4764, 0.3952

Tritanomaly

12.0679, 0.5207, 0.3348

Monochromacy



Original Color

11.9753, 0.5346, 0.3482

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3997, 0.3919, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9753, 0.5346, 0.3482 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(168, 62, 47)` looks like.

```
.text, #text, p{  
    color:rgb(168, 62, 47)  
}
```

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(168, 62, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 62, 47) }
```

Border

The CSS property to change the border of an element to Yxy 11.9753, 0.5346, 0.3482 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(168, 62, 47) }
```

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

```
.border{ border-color:rgb(168, 62, 47) }
```

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

Here you see how a box with a 4 pixel rgb(168, 62, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 62, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 62, 47);  
box-shadow:4px 4px 4px 4px rgb(168, 62,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9753, 0.5346, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 62, 47) }
```

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

```
.background{ background-color: rgb(168, 62,  
47) }
```

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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