

Converting Colors

$Y_{xy}(10.7102, 0.4906, 0.3329)$

Have a look what the booklet for
Yxy(10.7102, 0.4906, 0.3329)
contains.

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Color

Yxy(10.6642, 0.4914, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	993F3D
RGB	153, 63, 61
RGB Percent	60%, 25%, 24%
CMY	0.4000, 0.7529, 0.7608
CMYK	0.00, 0.59, 0.60, 0.40
HSL	1°, 43%, 42%
HSV	1°, 60%, 60%
XYZ	15.7558, 10.6642, 5.6431
YIQ	89.6820, 54.2820, 18.4580

Conversions

Conversions Part 2

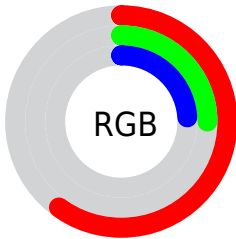
Format	Color
R_{YB}	153, 63, 61
Decimal	10043197
CIE _{Lab}	39.01, 37.56, 20.28
CIE _{LCh}	39, 42.681, 28.363
Yxy	10.6642, 0.4914, 0.3326
Android (android.graphics.Color)	4288233277 (0xFF993F3D)
YUV	89.6820, -14.1402, 55.5299
Hunter-Lab	32.6561, 28.9741, 12.6137

Details

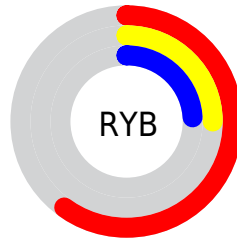
The Yxy color **10.6642, 0.4914, 0.3326** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.4204, 0.2396, 0.3250**, and the grayscale version is **10.1734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9662, 0.4445, 0.3368**, and **2.7838, 0.5839, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **9.0842, 0.5378, 0.3328**, and if you desaturate by 10%, it is **12.7430, 0.4476, 0.3322**.

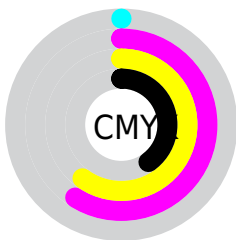
Distribution



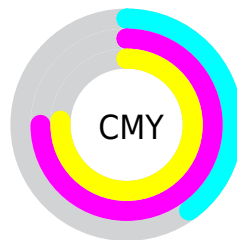
- Red (60%)
- Green (25%)
- Blue (24%)



- Red (60%)
- Yellow (25%)
- Blue (24%)



- Cyan (0%)
- Magenta (59%)
- Yellow (60%)
- Black (40%)





- Cyan (40%)
- Magenta (75%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6642, 0.4914, 0.3326 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 10.6642, 0.4914, 0.3326 by changing the saturation by 10% instead.


 10.6642, 0.4914,
0.3326


 10.6642, 0.4914,
0.3326


195.3490, 0.3803,
0.3359


 5.8415, 0.5290,
0.3273

 27.0375, 0.4443,
0.3362


 2.7489, 0.5842,
0.3155

 39.3569, 0.4288,
0.3367


 1.0021, 0.6997,
0.3003

 54.9441, 0.4165,
0.3368

 0.0000, 1.0000,
0.0000

 74.1833, 0.4065,
0.3367

 0.0000, 0.0000,
0.0000

 97.4590, 0.3983,
0.3366

 125.1556, 0.3913,

0.3364

157.6575, 0.3854,
0.3361

■ 10.6642, 0.4914,
0.3326

■ 10.6642, 0.4914,
0.3326

■ 9.0842, 0.5378,
0.3328

■ 12.7430, 0.4476,
0.3322

■ 7.9596, 0.5815,
0.3325

■ 15.3558, 0.4094,
0.3316

■ 7.2428, 0.6157,
0.3318

■ 18.5365, 0.3773,
0.3309

■ 6.8442, 0.6381,
0.3316

■ 22.3159, 0.3511,
0.3302

■ 26.7225, 0.3300,
0.3296

■ 31.7829, 0.3129,
0.3290

■ 37.5222, 0.2992,
0.3285

■ 43.9643, 0.2880,
0.3280

■ 51.1317, 0.2789,
0.3276

Harmonies

Analogous

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



10.6642, 0.4228, 0.2708



10.6642, 0.4914, 0.3326



10.6642, 0.4981, 0.3998

Triad

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



10.6642, 0.4914, 0.3326



10.6642, 0.2798, 0.4849



10.6642, 0.1781, 0.1903

Complementary

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



10.6642, 0.4914, 0.3326



25.4204, 0.2396, 0.3250

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.



10.6642, 0.1539, 0.2180



10.6642, 0.4914, 0.3326



10.6642, 0.2038, 0.3889

Square

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



10.6642, 0.4914, 0.3326



10.6642, 0.3696, 0.5084



10.6642, 0.1612, 0.2846



10.6642, 0.2348, 0.1931

Rectangle

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



10.6642, 0.4914, 0.3326



10.6642, 0.4705, 0.4448



10.6642, 0.1612, 0.2846



10.6642, 0.1666, 0.1958

Sweetspot

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



10.6648, 0.4914, 0.3326



41.2841, 0.3470, 0.3301



12.3588, 0.3213, 0.1944



8.6777, 0.3533, 0.3303



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



10.6648, 0.4914, 0.3326



15.5202, 0.5528, 0.3327



17.9461, 0.4388, 0.4060



6.2432, 0.3283, 0.3295



5.6637, 0.6379, 0.3317



0.0897, 0.6271, 0.3403

Inverse Universe

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



25.4204, 0.2396, 0.3250



44.3288, 0.2310, 0.3241



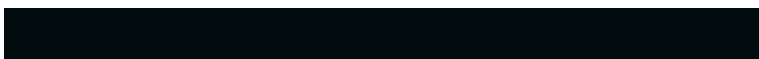
13.4900, 0.2190, 0.2313



7.0034, 0.2989, 0.3285



19.8458, 0.2229, 0.3222



0.3029, 0.2237, 0.3254

Previews

White Background



This preview shows how the Yxy color 10.6642, 0.4914, 0.3326 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 10.6642, 0.4914, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

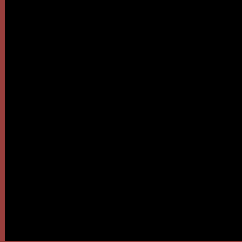
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6642, 0.4914, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 10.6642, 0.4914, 0.3326.

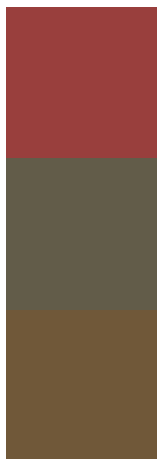


This preview shows how white text looks on a background with the Yxy color 10.6642, 0.4914, 0.3326.

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

10.6642, 0.4914, 0.3326

Protanopia

10.7320, 0.3515, 0.3747

Deuteranopia

10.7196, 0.4042, 0.3971



Tritanopia

10.6109, 0.4827, 0.3233

Trichromacy



Original Color

10.6642, 0.4914, 0.3326

Protanomaly

10.1661, 0.4011, 0.3549

Deuteranomaly

10.4095, 0.4384, 0.3706

Tritanomaly

10.5877, 0.4867, 0.3264

Monochromacy



Original Color

10.6642, 0.4914, 0.3326

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

9.8125, 0.3745, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6642, 0.4914, 0.3326 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(153, 63, 61)` looks like.

```
.text, #text, p{  
    color:rgb(153, 63, 61)  
}
```

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(153, 63, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 63, 61) }
```

Border

The CSS property to change the border of an element to Yxy 10.6642, 0.4914, 0.3326 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(153, 63, 61) }
```

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

```
.border{ border-color:rgb(153, 63, 61) }
```

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

Here you see how a box with a 4 pixel rgb(153, 63, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 63, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 63, 61);  
box-shadow:4px 4px 4px 4px rgb(153, 63,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6642, 0.4914, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 63, 61) }
```

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

```
.background{ background-color: rgb(153, 63,  
61) }
```

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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