

Converting Colors

$Y_{xy}(11.9488, 0.4950, 0.3295)$

Have a look what the booklet for
Yxy(11.9488, 0.4950, 0.3295)
contains.

Yxy(11.9488, 0.4950, 0.3295)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.9488, 0.4950, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	A34141
RGB	163, 65, 65
RGB Percent	64%, 25%, 25%
CMY	0.3608, 0.7451, 0.7450
CMYK	0.00, 0.60, 0.60, 0.36
HSL	360°, 43%, 45%
HSV	360°, 60%, 64%
XYZ	17.9504, 11.9488, 6.3642
YIQ	94.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

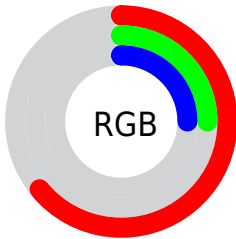
Format	Color
R_{YB}	163, 65, 65
Decimal	10699073
CIE _{Lab}	41.13, 40.60, 20.89
CIE _{LCh}	41, 45.658, 27.229
Yxy	11.9488, 0.4950, 0.3295
Android (android.graphics.Color)	4288889153 (0xFFA34141)
YUV	94.3020, -14.4459, 60.2481
Hunter-Lab	34.5670, 32.2014, 13.2809

Details

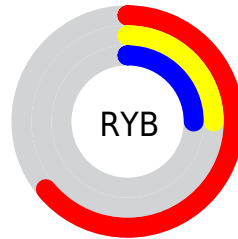
The Yxy color **11.9488, 0.4950, 0.3295** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **29.9647, 0.2402, 0.3288**, and the grayscale version is **11.2936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4444, 0.4478, 0.3341**, and **3.2958, 0.5859, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **10.1781, 0.5422, 0.3296**, and if you desaturate by 10%, it is **14.3154, 0.4502, 0.3294**.

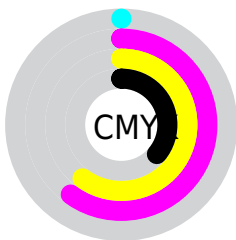
Distribution



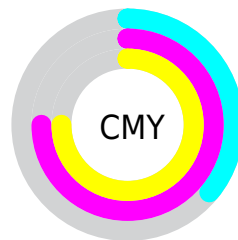
- Red (64%)
- Green (25%)
- Blue (25%)



- Red (64%)
- Yellow (25%)
- Blue (25%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (36%)





- Cyan (36%)
- Magenta (75%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9488, 0.4950, 0.3295 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 11.9488, 0.4950, 0.3295 by changing the saturation by 10% instead.


 11.9488, 0.4950,
0.3295


 11.9488, 0.4950,
0.3295


204.0660, 0.3834,
0.3349


 6.7088, 0.5316,
0.3238


 29.4018, 0.4484,
0.3339

 3.2807, 0.5842,
0.3120

 42.3837, 0.4328,
0.3347


 1.2800, 0.6991,
0.3009

 58.7149, 0.4204,
0.3350

 0.1256, 0.9008,
0.0992

 78.7799, 0.4102,
0.3352

 0.0000, 1.0000,
0.0000

 102.9632, 0.4018,
0.3352

 0.0000, 0.0000,
0.0000

 131.6490, 0.3947,

0.3351

165.2218, 0.3886,
0.3350

■ 11.9488, 0.4950,
0.3295

■ 11.9488, 0.4950,
0.3295

■ 10.1781, 0.5422,
0.3296

■ 14.3154, 0.4502,
0.3294

■ 8.9484, 0.5860,
0.3298

■ 17.3223, 0.4110,
0.3293

■ 8.1985, 0.6191,
0.3299

■ 21.0121, 0.3782,
0.3292

■ 7.7874, 0.6400,
0.3300

■ 25.4231, 0.3516,
0.3291

■ 30.5909, 0.3301,
0.3290

■ 36.5485, 0.3129,
0.3290

■ 43.3272, 0.2991,
0.3290

■ 50.9564, 0.2879,
0.3289

■ 59.4643, 0.2789,
0.3289

Harmonies

Analogous

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



11.9488, 0.4224, 0.2670



11.9488, 0.4950, 0.3295



11.9488, 0.5037, 0.3978

Triad

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



11.9488, 0.4950, 0.3295



11.9488, 0.2817, 0.4928



11.9488, 0.1734, 0.1875

Complementary

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



11.9488, 0.4950, 0.3295



29.9647, 0.2402, 0.3288

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.



11.9488, 0.1500, 0.2167



11.9488, 0.4950, 0.3295



11.9488, 0.2031, 0.3950

Square

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



11.9488, 0.4950, 0.3295



11.9488, 0.3737, 0.5129



11.9488, 0.1585, 0.2863



11.9488, 0.2298, 0.1894

Rectangle

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



11.9488, 0.4950, 0.3295



11.9488, 0.4762, 0.4442



11.9488, 0.1585, 0.2863



11.9488, 0.1621, 0.1934

Sweetspot

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



11.9495, 0.4950, 0.3295



47.0837, 0.3474, 0.3291



14.0409, 0.3169, 0.1912



10.0341, 0.3540, 0.3291



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



11.9495, 0.4950, 0.3295



17.4189, 0.5569, 0.3297



19.8389, 0.4431, 0.4015



7.0860, 0.3285, 0.3290



6.0517, 0.6400, 0.3300



0.1272, 0.6399, 0.3299

Inverse Universe

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



11.9495, 0.4950, 0.3295



17.4189, 0.5569, 0.3297



16.1753, 0.2200, 0.2373



7.0860, 0.3285, 0.3290



6.0517, 0.6400, 0.3300



0.1272, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 11.9488, 0.4950, 0.3295 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 11.9488, 0.4950, 0.3295 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 11.9488, 0.4950, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 11.9488, 0.4950, 0.3295.

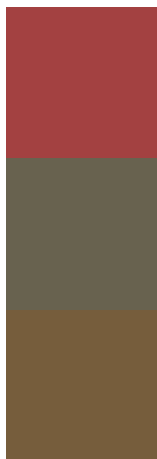


This preview shows how white text looks on a background with the Yxy color 11.9488, 0.4950, 0.3295.

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

11.9488, 0.4950, 0.3295

Protanopia

12.2429, 0.3493, 0.3723

Deuteranopia

12.0065, 0.4046, 0.3981



Tritanopia

11.8830, 0.4885, 0.3223

Trichromacy



Original Color

11.9488, 0.4950, 0.3295

Protanomaly

11.5100, 0.4001, 0.3537

Deuteranomaly

11.6026, 0.4384, 0.3687

Tritanomaly

11.8707, 0.4904, 0.3238

Monochromacy



Original Color

11.9488, 0.4950, 0.3295

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7330, 0.3761, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9488, 0.4950, 0.3295 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(163, 65, 65)` looks like.

```
.text, #text, p{  
  color:rgb(163, 65, 65)  
}
```

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(163, 65, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 65) }
```

Border

The CSS property to change the border of an element to Yxy 11.9488, 0.4950, 0.3295 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(163, 65, 65) }
```

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

```
.border{ border-color:rgb(163, 65, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 65, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 65);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9488, 0.4950, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 65) }
```

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

```
.background{ background-color: rgb(163, 65,  
65) }
```

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