

Converting Colors

$Y_{xy}(10.1321, 0.5232, 0.3409)$

Have a look what the booklet for
Yxy(10.1321, 0.5232, 0.3409)
contains.

Yxy(10.1166, 0.5232, 0.3407)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.1166, 0.5232, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	9B3931
RGB	155, 57, 49
RGB Percent	61%, 22%, 19%
CMY	0.3921, 0.7765, 0.8078
CMYK	0.00, 0.63, 0.68, 0.39
HSL	5°, 52%, 40%
HSV	5°, 68%, 61%
XYZ	15.5357, 10.1166, 4.0413
YIQ	85.3900, 60.9760, 18.2880

Conversions

Conversions Part 2

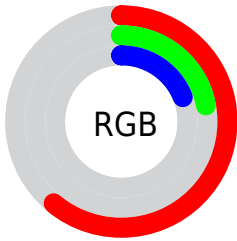
Format	Color
RYB	155, 58, 49
Decimal	10172721
CIELab	38.05, 40.40, 26.48
CIElCh	38, 48.305, 33.238
Yxy	10.1166, 0.5232, 0.3407
Android (android.graphics.Color)	4288362801 (0xFF9B3931)
YUV	85.3900, -17.9403, 61.0480
Hunter-Lab	31.8066, 31.5253, 14.7313

Details

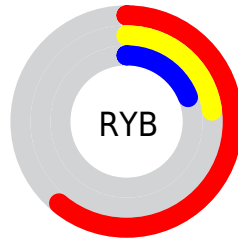
The Yxy color **10.1166, 0.5232, 0.3407** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.8921, 0.2312, 0.3135**, and the grayscale version is **9.2000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8475, 0.4690, 0.3448**, and **2.6032, 0.6333, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **8.7854, 0.5671, 0.3400**, and if you desaturate by 10%, it is **11.8940, 0.4785, 0.3401**.

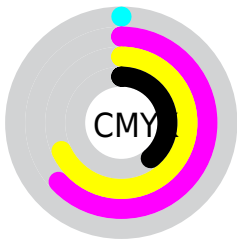
Distribution



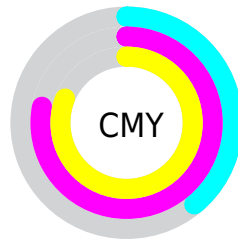
- Red (61%)
- Green (22%)
- Blue (19%)



- Red (61%)
- Yellow (23%)
- Blue (19%)



- Cyan (0%)
- Magenta (63%)
- Yellow (68%)
- Black (39%)





- Cyan (39%)
- Magenta (78%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1166, 0.5232, 0.3407 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 10.1166, 0.5232, 0.3407 by changing the saturation by 10% instead.


 10.1166, 0.5232,
0.3407


 10.1166, 0.5232,
0.3407

191.5022, 0.3926,
0.3419


 5.4763, 0.5658,
0.3337

 26.0146, 0.4684,
0.3447


 2.5294, 0.6360,
0.3226

 38.0411, 0.4501,
0.3449


 0.8913, 0.7184,
0.2816

 53.2985, 0.4356,
0.3446

 0.0000, 1.0000,
0.0000

 72.1711, 0.4237,
0.3442

 0.0000, 0.0000,
0.0000

 95.0434, 0.4139,
0.3436

 122.2998, 0.4057,

0.3430

154.3246, 0.3987,
0.3425

■ 10.1166, 0.5232,
0.3407

■ 10.1166, 0.5232,
0.3407

■ 8.7854, 0.5671,
0.3400

■ 11.8940, 0.4785,
0.3401

■ 7.8591, 0.6041,
0.3379

■ 14.1507, 0.4372,
0.3387

■ 7.2885, 0.6298,
0.3353

■ 16.9186, 0.4014,
0.3368

■ 7.2240, 0.6334,
0.3353

■ 20.2263, 0.3714,
0.3347

■ 24.1005, 0.3467,
0.3326

■ 28.5658, 0.3266,
0.3306

■ 33.6457, 0.3103,
0.3287

■ 39.3622, 0.2970,
0.3270

■ 45.7363, 0.2861,
0.3255

Harmonies

Analogous

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



10.1166, 0.4557, 0.2727



10.1166, 0.5232, 0.3407



10.1166, 0.5152, 0.4148

Triad

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



10.1166, 0.5232, 0.3407



10.1166, 0.2565, 0.4988



10.1166, 0.1700, 0.1727

Complementary

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



10.1166, 0.5232, 0.3407



23.8921, 0.2312, 0.3135

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.



10.1166, 0.1384, 0.1954



10.1166, 0.5232, 0.3407



10.1166, 0.1781, 0.3758

Square

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



10.1166, 0.5232, 0.3407



10.1166, 0.3559, 0.5377



10.1166, 0.1397, 0.2603



10.1166, 0.2378, 0.1811

Rectangle

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



10.1166, 0.5232, 0.3407



10.1166, 0.4761, 0.4659



10.1166, 0.1397, 0.2603



10.1166, 0.1557, 0.1765

Sweetspot

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



10.1172, 0.5232, 0.3407



40.9466, 0.3537, 0.3332



11.3028, 0.3305, 0.1872



8.8625, 0.3599, 0.3337



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.



10.1172, 0.5232, 0.3407



14.7813, 0.5877, 0.3391



18.1438, 0.4539, 0.4212



6.2938, 0.3281, 0.3307



5.8268, 0.6326, 0.3359



0.1045, 0.5991, 0.3625

Inverse Universe

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



23.8921, 0.2312, 0.3135



41.0139, 0.2230, 0.3097



11.1942, 0.2048, 0.2034



6.9469, 0.2989, 0.3273



17.7813, 0.2183, 0.3058



0.2863, 0.2214, 0.3169

Previews

White Background



This preview shows how the Yxy color 10.1166, 0.5232, 0.3407 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 10.1166, 0.5232, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

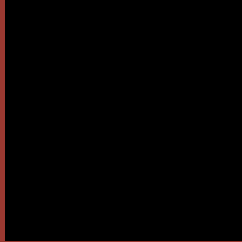
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1166, 0.5232, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 10.1166, 0.5232, 0.3407.

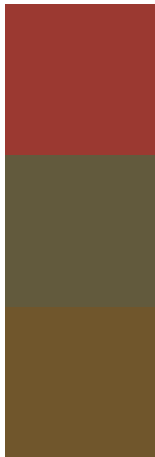


This preview shows how white text looks on a background with the Yxy color 10.1166, 0.5232, 0.3407.

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

10.1166, 0.5232, 0.3407

Protanopia

10.2459, 0.3714, 0.3991

Deuteranopia

10.2822, 0.4260, 0.4186



Tritanopia

10.1127, 0.5056, 0.3252

Trichromacy



Original Color

10.1166, 0.5232, 0.3407

Protanomaly

9.6661, 0.4276, 0.3734

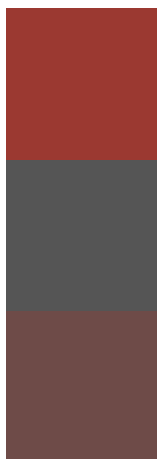
Deuteranomaly

9.8186, 0.4656, 0.3838

Tritanomaly

10.0727, 0.5134, 0.3310

Monochromacy



Original Color

10.1166, 0.5232, 0.3407

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.8150, 0.3857, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1166, 0.5232, 0.3407 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(155, 57, 49)` looks like.

```
.text, #text, p{  
  color:rgb(155, 57, 49)  
}
```

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(155, 57, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 57, 49) }
```

Border

The CSS property to change the border of an element to Yxy 10.1166, 0.5232, 0.3407 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(155, 57, 49) }
```

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

```
.border{ border-color:rgb(155, 57, 49) }
```

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

Here you see how a box with a 4 pixel rgb(155, 57, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 57, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 57, 49);  
box-shadow:4px 4px 4px 4px rgb(155, 57,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1166, 0.5232, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 57, 49) }
```

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

```
.background{ background-color: rgb(155, 57,  
49) }
```

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