

Converting Colors

$Y_{xy}(12.3957, 0.5352, 0.3579)$

Have a look what the booklet for
Yxy(12.3957, 0.5352, 0.3579)
contains.

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Color

Yxy(12.3957, 0.5352, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	A8422B
RGB	168, 66, 43
RGB Percent	66%, 26%, 17%
CMY	0.3411, 0.7412, 0.8313
CMYK	0.00, 0.61, 0.74, 0.34
HSL	11°, 59%, 41%
HSV	11°, 74%, 66%
XYZ	18.5364, 12.3957, 3.7024
YIQ	93.8760, 68.1750, 14.4710

Conversions

Conversions Part 2

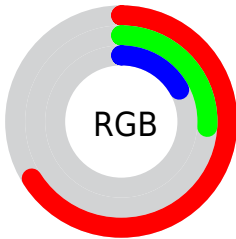
Format	Color
RYB	168, 71, 43
Decimal	11026987
CIELab	41.84, 40.65, 34.93
CIELCh	42, 53.596, 40.667
Yxy	12.3957, 0.5352, 0.3579
Android (android.graphics.Color)	4289217067 (0xFFA8422B)
YUV	93.8760, -25.0819, 65.0067
Hunter-Lab	35.2075, 32.3653, 18.4103

Details

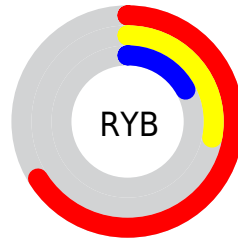
The Yxy color **12.3957, 0.5352, 0.3579** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.6082, 0.2207, 0.2863**, and the grayscale version is **11.2105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3531, 0.4816, 0.3597**, and **3.4683, 0.6280, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **10.8829, 0.5740, 0.3553**, and if you desaturate by 10%, it is **14.3449, 0.4937, 0.3575**.

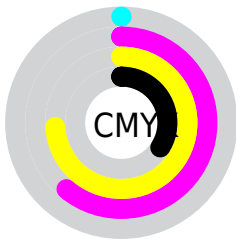
Distribution



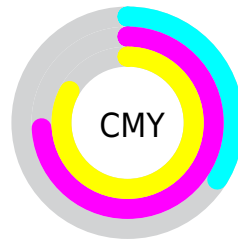
- Red (66%)
- Green (26%)
- Blue (17%)



- Red (66%)
- Yellow (28%)
- Blue (17%)



- Cyan (0%)
- Magenta (61%)
- Yellow (74%)
- Black (34%)




- Cyan (34%)
- Magenta (74%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3957, 0.5352, 0.3579 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 12.3957, 0.5352, 0.3579 by changing the saturation by 10% instead.

 12.3957, 0.5352,
0.3579


 12.3957, 0.5352,
0.3579


207.0076, 0.4023,
0.3516


 7.0138, 0.5743,
0.3522


 30.2138, 0.4818,
0.3597


 3.4707, 0.6372,
0.3439

 43.4187, 0.4632,
0.3589


 1.3821, 0.6952,
0.3048

 60.0001, 0.4481,
0.3577

 0.2035, 0.8585,
0.1415

 80.3423, 0.4357,
0.3564

 0.0000, 1.0000,
0.0000

 104.8298, 0.4253,
0.3551

 0.0000, 0.0000,
0.0000

 133.8469, 0.4165,

0.3539

167.7780, 0.4089,
0.3527

■ 12.3957, 0.5352,
0.3579

■ 12.3957, 0.5352,
0.3579

■ 10.8829, 0.5740,
0.3553

■ 14.3449, 0.4937,
0.3575

■ 9.7698, 0.6052,
0.3495

■ 16.7593, 0.4536,
0.3547

■ 9.3006, 0.6195,
0.3463

■ 19.6673, 0.4174,
0.3506

■ 23.0946, 0.3862,
0.3457

■ 27.0651, 0.3598,
0.3406

■ 31.6011, 0.3378,
0.3357

■ 36.7237, 0.3197,
0.3310

■ 42.4529, 0.3047,
0.3266

■ 48.8077, 0.2922,
0.3226

Harmonies

Analogous

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



12.3957, 0.4848, 0.2870



12.3957, 0.5352, 0.3579



12.3957, 0.5082, 0.4351

Triad

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



12.3957, 0.5352, 0.3579



12.3957, 0.2308, 0.4793



12.3957, 0.1795, 0.1679

Complementary

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



12.3957, 0.5352, 0.3579



23.6082, 0.2207, 0.2863

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.



12.3957, 0.1387, 0.1822



12.3957, 0.5352, 0.3579



12.3957, 0.1601, 0.3432

Square

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



12.3957, 0.5352, 0.3579



12.3957, 0.3301, 0.5463



12.3957, 0.1315, 0.2360



12.3957, 0.2587, 0.1836

Rectangle

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



12.3957, 0.5352, 0.3579



12.3957, 0.4599, 0.4875



12.3957, 0.1315, 0.2360



12.3957, 0.1619, 0.1691

Sweetspot

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



12.3964, 0.5352, 0.3579



50.6590, 0.3551, 0.3396



12.1035, 0.3557, 0.1945



10.6052, 0.3612, 0.3409



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.



12.3964, 0.5352, 0.3579



18.4035, 0.5947, 0.3521



24.0540, 0.4507, 0.4449



7.7571, 0.3281, 0.3332



7.0786, 0.6180, 0.3475



0.2343, 0.5631, 0.3911

Inverse Universe

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



23.6082, 0.2207, 0.2863



39.3728, 0.2116, 0.2757



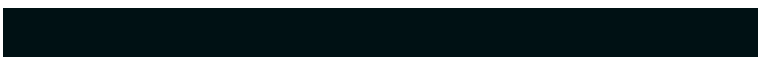
9.4673, 0.1890, 0.1608



8.2942, 0.2987, 0.3248



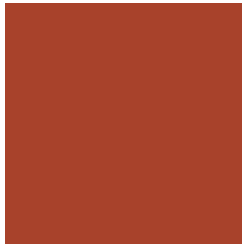
15.7424, 0.2084, 0.2702



0.4421, 0.2144, 0.2916

Previews

White Background



This preview shows how the Yxy color 12.3957, 0.5352, 0.3579 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 12.3957, 0.5352, 0.3579 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 12.3957, 0.5352, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 12.3957, 0.5352, 0.3579.



This preview shows how white text looks on a background with the Yxy color 12.3957, 0.5352, 0.3579.

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

12.3957, 0.5352, 0.3579

Protanopia

12.6864, 0.3940, 0.4297

Deuteranopia

12.5969, 0.4425, 0.4382



Tritanopia

12.3953, 0.5008, 0.3241

Trichromacy



Original Color

12.3957, 0.5352, 0.3579

Protanomaly

12.0265, 0.4475, 0.4015

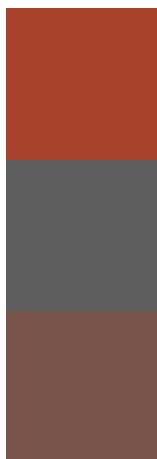
Deuteranomaly

12.0626, 0.4799, 0.4034

Tritanomaly

12.4073, 0.5157, 0.3375

Monochromacy



Original Color

12.3957, 0.5352, 0.3579

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.9136, 0.3931, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3957, 0.5352, 0.3579 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, 66, 43)` looks like.

```
.text, #text, p{  
    color:rgb(168, 66, 43)  
}
```

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, 66, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 66, 43) }
```

Border

The CSS property to change the border of an element to Yxy 12.3957, 0.5352, 0.3579 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, 66, 43) }
```

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

```
.border{ border-color:rgb(168, 66, 43) }
```

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

Here you see how a box with a 4 pixel rgb(168, 66, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 66, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 66, 43);  
box-shadow:4px 4px 4px 4px rgb(168, 66,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3957, 0.5352, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 66, 43) }
```

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

```
.background{ background-color: rgb(168, 66,  
43) }
```

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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