

Converting Colors

$Y_{xy}(13.3336, 0.5155, 0.3601)$

Have a look what the booklet for
Yxy(13.3336, 0.5155, 0.3601)
contains.

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Color

Yxy(13.3202, 0.5163, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	A84932
RGB	168, 73, 50
RGB Percent	66%, 29%, 20%
CMY	0.3411, 0.7137, 0.8039
CMYK	0.00, 0.57, 0.70, 0.34
HSL	12°, 54%, 43%
HSV	12°, 70%, 66%
XYZ	19.1087, 13.3202, 4.5819
YIQ	98.7830, 64.0030, 12.9870

Conversions

Conversions Part 2

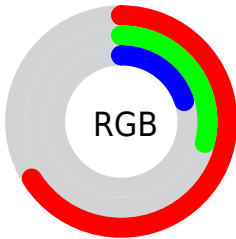
Format	Color
R_{YB}	168, 79, 50
Decimal	11028786
CIE Lab	43.24, 37.56, 32.58
CIE LCh	43, 49.717, 40.937
Yxy	13.3202, 0.5163, 0.3599
Android (android.graphics.Color)	4289218866 (0xFFA84932)
YUV	98.7830, -24.0500, 60.7033
Hunter-Lab	36.4968, 29.5880, 18.1043

Details

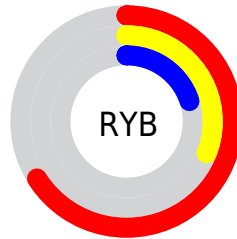
The Yxy color **13.3202, 0.5163, 0.3599** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.7629, 0.2232, 0.2865**, and the grayscale version is **12.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7724, 0.4679, 0.3594**, and **3.8998, 0.6030, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **11.6133, 0.5565, 0.3587**, and if you desaturate by 10%, it is **15.4685, 0.4754, 0.3582**.

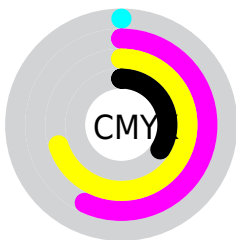
Distribution



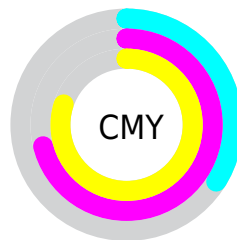
- Red (66%)
- Green (29%)
- Blue (20%)



- Red (66%)
- Yellow (31%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)
- Black (34%)





- Cyan (34%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3202, 0.5163, 0.3599 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 13.3202, 0.5163, 0.3599 by changing the saturation by 10% instead.


 13.3202, 0.5163,
0.3599


 13.3202, 0.5163,
0.3599


212.9597, 0.3951,
0.3506


 7.6494, 0.5525,
0.3566


 31.8778, 0.4674,
0.3596


 3.8714, 0.6044,
0.3484

 45.5335, 0.4505,
0.3584

 1.6019, 0.6752,
0.3248

 62.6195, 0.4367,
0.3570

 0.3589, 0.7875,
0.2125

 83.5204, 0.4254,
0.3556

 0.0000, 1.0000,
0.0000

 108.6204, 0.4160,
0.3542

 0.0000, 0.0000,
0.0000

 138.3041, 0.4079,

0.3529

172.9557, 0.4010,
0.3517

■ 13.3202, 0.5163,
0.3599

■ 13.3202, 0.5163,
0.3599

■ 11.6133, 0.5565,
0.3587

■ 15.4685, 0.4754,
0.3582

■ 10.3140, 0.5913,
0.3541

■ 18.0842, 0.4372,
0.3546

■ 9.3991, 0.6176,
0.3478

■ 21.1940, 0.4033,
0.3497

■ 24.8218, 0.3744,
0.3444

■ 28.9898, 0.3500,
0.3391

■ 33.7193, 0.3298,
0.3339

■ 39.0299, 0.3131,
0.3291

■ 44.9408, 0.2992,
0.3247

■ 51.4698, 0.2876,
0.3206

Harmonies

Analogous

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



13.3202, 0.4696, 0.2923



13.3202, 0.5163, 0.3599



13.3202, 0.4940, 0.4320

Triad

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



13.3202, 0.5163, 0.3599



13.3202, 0.2386, 0.4621



13.3202, 0.1901, 0.1794

Complementary

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



13.3202, 0.5163, 0.3599



23.7629, 0.2232, 0.2865

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.



13.3202, 0.1510, 0.1934



13.3202, 0.5163, 0.3599



13.3202, 0.1721, 0.3422

Square

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



13.3202, 0.5163, 0.3599



13.3202, 0.3311, 0.5246



13.3202, 0.1443, 0.2446



13.3202, 0.2647, 0.1942

Rectangle

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



13.3202, 0.5163, 0.3599



13.3202, 0.4507, 0.4788



13.3202, 0.1443, 0.2446



13.3202, 0.1733, 0.1806

Sweetspot

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



13.3209, 0.5163, 0.3599



51.6792, 0.3526, 0.3397



12.6948, 0.3527, 0.1989



10.8158, 0.3587, 0.3411



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.



13.3209, 0.5163, 0.3599



19.7321, 0.5759, 0.3567



24.6932, 0.4430, 0.4412



7.7702, 0.3281, 0.3335



7.1563, 0.6160, 0.3491



0.2392, 0.5596, 0.3939

Inverse Universe

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



23.7629, 0.2232, 0.2865



39.5257, 0.2131, 0.2758



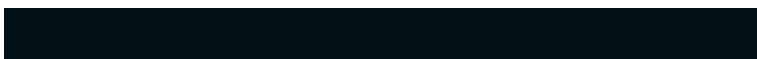
10.3828, 0.1950, 0.1712



8.2800, 0.2987, 0.3245



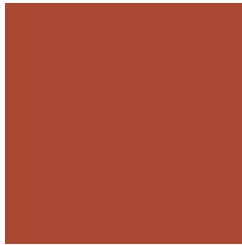
15.3489, 0.2074, 0.2665



0.4353, 0.2137, 0.2893

Previews

White Background



This preview shows how the Yxy color 13.3202, 0.5163, 0.3599 looks on a white background.

Color Contrast Check

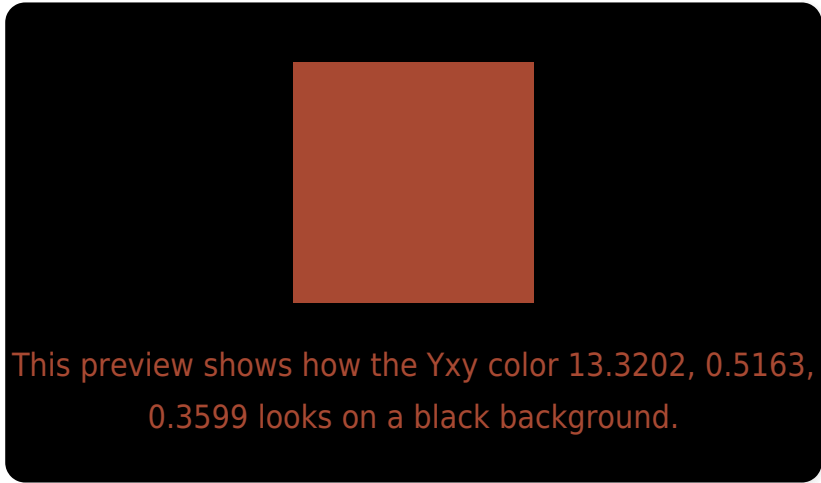
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.3202, 0.5163, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 13.3202, 0.5163, 0.3599.



This preview shows how white text looks on a background with the Yxy color 13.3202, 0.5163, 0.3599.

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

13.3202, 0.5163, 0.3599

Protanopia

13.5375, 0.3869, 0.4198

Deuteranopia

13.4369, 0.4331, 0.4281



Tritanopia

13.3097, 0.4814, 0.3238

Trichromacy



Original Color

13.3202, 0.5163, 0.3599

Protanomaly

12.9264, 0.4356, 0.3962

Deuteranomaly

13.1008, 0.4653, 0.3999

Tritanomaly

13.3231, 0.4963, 0.3379

Monochromacy



Original Color

13.3202, 0.5163, 0.3599

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1915, 0.3836, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3202, 0.5163, 0.3599 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, 73, 50)` looks like.

```
.text, #text, p{  
    color:rgb(168, 73, 50)  
}
```

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, 73, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 73, 50) }
```

Border

The CSS property to change the border of an element to Yxy 13.3202, 0.5163, 0.3599 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, 73, 50) }
```

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

```
.border{ border-color:rgb(168, 73, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 73, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 73, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 73, 50);  
box-shadow:4px 4px 4px 4px rgb(168, 73,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3202, 0.5163, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 73, 50) }
```

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

```
.background{ background-color: rgb(168, 73,  
50) }
```

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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