

Converting Colors

$Y_{xy}(10.5065, 0.5612, 0.3529)$

Have a look what the booklet for
Yxy(10.5065, 0.5612, 0.3529)
contains.

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Color

Yxy(10.5347, 0.5599, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	A33621
RGB	163, 54, 33
RGB Percent	64%, 21%, 13%
CMY	0.3607, 0.7883, 0.8706
CMYK	0.00, 0.67, 0.80, 0.36
HSL	10°, 66%, 38%
HSV	10°, 80%, 64%
XYZ	16.6998, 10.5347, 2.5919
YIQ	84.1970, 71.7050, 16.5770

Conversions

Conversions Part 2

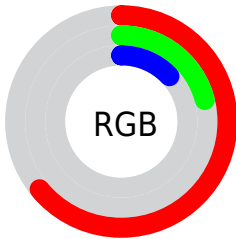
Format	Color
RYB	163, 58, 33
Decimal	10696225
CIELab	38.79, 43.90, 36.92
CIElCh	39, 57.365, 40.067
Yxy	10.5347, 0.5599, 0.3532
Android (android.graphics.Color)	4288886305 (0xFFA33621)
YUV	84.1970, -25.2401, 69.1102
Hunter-Lab	32.4572, 35.0414, 17.9854

Details

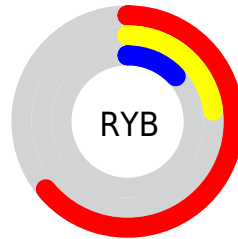
The Yxy color **10.5347, 0.5599, 0.3532** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **22.3192, 0.2188, 0.2887**, and the grayscale version is **8.9504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7199, 0.5000, 0.3581**, and **2.9431, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.3669, 0.5955, 0.3492**, and if you desaturate by 10%, it is **12.1056, 0.5185, 0.3544**.

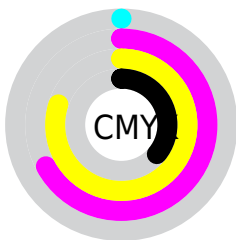
Distribution



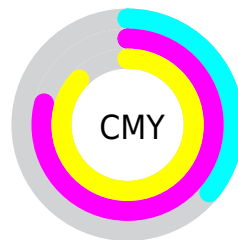
- Red (64%)
- Green (21%)
- Blue (13%)



- Red (64%)
- Yellow (23%)
- Blue (13%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (36%)




- Cyan (36%)
- Magenta (79%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5347, 0.5599, 0.3532 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 10.5347, 0.5599, 0.3532 by changing the saturation by 10% instead.


 10.5347, 0.5599,
0.3532

 10.5347, 0.5599,
0.3532

194.4469, 0.4105,
0.3522


 5.7549, 0.6036,
0.3434

 26.7965, 0.4997,
0.3584


 2.6966, 0.6725,
0.3275

 39.0472, 0.4787,
0.3584

 0.9755, 0.7275,
0.2725

 54.5571, 0.4617,
0.3577

 0.0000, 1.0000,
0.0000

 73.7105, 0.4478,
0.3567


 0.0000, 0.0000,
0.0000

 96.8917, 0.4361,
0.3555


 124.4853, 0.4262,


0.3544


 156.8755, 0.4178,
0.3533


 10.5347, 0.5599,
0.3532


 10.5347, 0.5599,
0.3532


 9.3669, 0.5955,
0.3492

 12.1056, 0.5185,
0.3544


 8.5568, 0.6223,
0.3437

 14.1107, 0.4765,
0.3530

 8.5410, 0.6229,
0.3436

 16.5799, 0.4374,
0.3500

 19.5402, 0.4029,
0.3460

 23.0164, 0.3736,
0.3416

■ 27.0314, 0.3492,
0.3372

■ 31.6070, 0.3290,
0.3329

■ 36.7636, 0.3123,
0.3289

■ 42.5207, 0.2986,
0.3252

Harmonies

Analogous

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



10.5347, 0.5043, 0.2788



10.5347, 0.5599, 0.3532



10.5347, 0.5263, 0.4362

Triad

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



10.5347, 0.5599, 0.3532



10.5347, 0.2206, 0.5052



10.5347, 0.1652, 0.1534

Complementary

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



10.5347, 0.5599, 0.3532



22.3192, 0.2188, 0.2887

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.



10.5347, 0.1232, 0.1679



10.5347, 0.5599, 0.3532



10.5347, 0.1447, 0.3457

Square

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



10.5347, 0.5599, 0.3532



10.5347, 0.3284, 0.5755



10.5347, 0.1154, 0.2251



10.5347, 0.2495, 0.1697

Rectangle

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



10.5347, 0.5599, 0.3532



10.5347, 0.4718, 0.4968



10.5347, 0.1154, 0.2251



10.5347, 0.1470, 0.1545

Sweetspot

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



10.5353, 0.5599, 0.3532



44.9101, 0.3601, 0.3392



10.8741, 0.3516, 0.1852



9.5476, 0.3686, 0.3408



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.



10.5353, 0.5599, 0.3532



15.5687, 0.6166, 0.3441



20.7387, 0.4655, 0.4428



7.2622, 0.3281, 0.3327



6.6833, 0.6216, 0.3446



0.1897, 0.5676, 0.3875

Inverse Universe

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



22.3192, 0.2188, 0.2887



36.9664, 0.2112, 0.2785



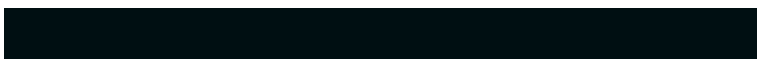
8.4887, 0.1843, 0.1565



7.8156, 0.2988, 0.3253



15.9445, 0.2105, 0.2778



0.3839, 0.2162, 0.2982

Previews

White Background



This preview shows how the Yxy color 10.5347, 0.5599, 0.3532 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 10.5347, 0.5599, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

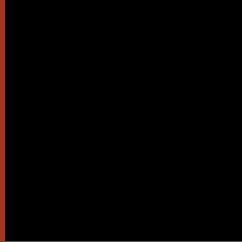
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5347, 0.5599, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 10.5347, 0.5599, 0.3532.



This preview shows how white text looks on a background with the Yxy color 10.5347, 0.5599, 0.3532.

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

10.5347, 0.5599, 0.3532

Protanopia

10.6609, 0.4009, 0.4379

Deuteranopia

10.7584, 0.4527, 0.4486



Tritanopia

10.5265, 0.5312, 0.3259

Trichromacy



Original Color

10.5347, 0.5599, 0.3532

Protanomaly

9.8871, 0.4638, 0.4016

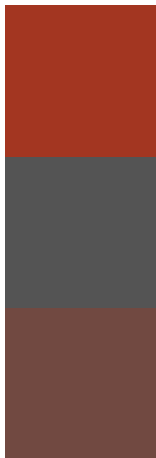
Deuteranomaly

10.2346, 0.4973, 0.4086

Tritanomaly

10.5458, 0.5441, 0.3369

Monochromacy



Original Color

10.5347, 0.5599, 0.3532

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.6575, 0.4068, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5347, 0.5599, 0.3532 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, 54, 33)` looks like.

```
.text, #text, p{  
  color:rgb(163, 54, 33)  
}
```

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, 54, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 54, 33) }
```

Border

The CSS property to change the border of an element to Yxy 10.5347, 0.5599, 0.3532 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, 54, 33) }
```

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

```
.border{ border-color:rgb(163, 54, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 54, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 54, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 54, 33);  
box-shadow:4px 4px 4px 4px rgb(163, 54,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5347, 0.5599, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 54, 33) }
```

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

```
.background{ background-color: rgb(163, 54,  
33) }
```

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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