

Converting Colors

$Y_{xy}(10.7776, 0.5607, 0.3488)$

Have a look what the booklet for
Yxy(10.7776, 0.5607, 0.3488)
contains.

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Color

Yxy(10.7745, 0.5611, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	A63523
RGB	166, 53, 35
RGB Percent	65%, 21%, 14%
CMY	0.3490, 0.7921, 0.8626
CMYK	0.00, 0.68, 0.79, 0.35
HSL	8°, 65%, 39%
HSV	8°, 79%, 65%
XYZ	17.3027, 10.7745, 2.7599
YIQ	84.7350, 73.1260, 18.3580

Conversions

Conversions Part 2

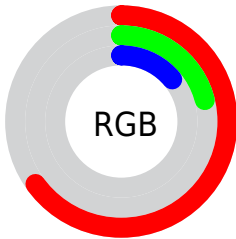
Format	Color
RYB	166, 56, 35
Decimal	10892579
CIELab	39.20, 45.45, 36.42
CIElCh	39, 58.243, 38.703
Yxy	10.7745, 0.5611, 0.3494
Android (android.graphics.Color)	4289082659 (0xFFA63523)
YUV	84.7350, -24.5194, 71.2694
Hunter-Lab	32.8245, 36.6494, 17.9920

Details

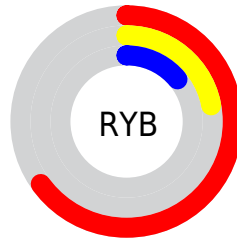
The Yxy color **10.7745, 0.5611, 0.3494** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **24.2979, 0.2208, 0.2953**, and the grayscale version is **9.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2330, 0.5004, 0.3557**, and **3.1258, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.5824, 0.5975, 0.3459**, and if you desaturate by 10%, it is **12.4048, 0.5188, 0.3504**.

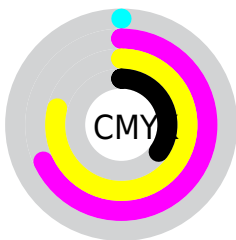
Distribution



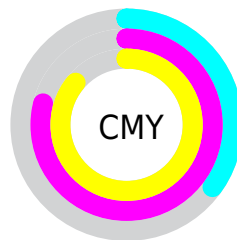
- Red (65%)
- Green (21%)
- Blue (14%)



- Red (65%)
- Yellow (22%)
- Blue (14%)



- Cyan (0%)
- Magenta (68%)
- Yellow (79%)
- Black (35%)



- Cyan (35%)
- Magenta (79%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7745, 0.5611, 0.3494 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 10.7745, 0.5611, 0.3494 by changing the saturation by 10% instead.


 10.7745, 0.5611,
0.3494


 10.7745, 0.5611,
0.3494


196.1139, 0.4112,
0.3506


 5.9154, 0.6049,
0.3393

 27.2424, 0.5007,
0.3554

 2.7937, 0.6760,
0.3240

 39.6200, 0.4797,
0.3556


 1.0250, 0.7307,
0.2693

 55.2726, 0.4626,
0.3552

 0.0000, 1.0000,
0.0000


 74.5846, 0.4486,
0.3544

 0.0000, 0.0000,
0.0000

 97.9403, 0.4369,
0.3535


 125.7241, 0.4270,

0.3525


 158.3205, 0.4186,
0.3515

 10.7745, 0.5611,
0.3494


 10.7745, 0.5611,
0.3494

 9.5824, 0.5975,
0.3459

 12.4048, 0.5188,
0.3504

 8.7793, 0.6241,
0.3410

 14.5087, 0.4759,
0.3493

 8.7113, 0.6267,
0.3406

 17.1202, 0.4361,
0.3467

 20.2697, 0.4014,
0.3432

 23.9849, 0.3720,
0.3394

■ 28.2918, 0.3476,
0.3357

■ 33.2148, 0.3275,
0.3320

■ 38.7769, 0.3111,
0.3286

■ 44.9998, 0.2975,
0.3255

Harmonies

Analogous

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



10.7745, 0.5010, 0.2752



10.7745, 0.5611, 0.3494



10.7745, 0.5304, 0.4322

Triad

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



10.7745, 0.5611, 0.3494



10.7745, 0.2243, 0.5130



10.7745, 0.1616, 0.1524

Complementary

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



10.7745, 0.5611, 0.3494



24.2979, 0.2208, 0.2953

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.



10.7745, 0.1211, 0.1685



10.7745, 0.5611, 0.3494



10.7745, 0.1461, 0.3528

Square

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



10.7745, 0.5611, 0.3494



10.7745, 0.3333, 0.5772



10.7745, 0.1148, 0.2282



10.7745, 0.2441, 0.1675

Rectangle

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



10.7745, 0.5611, 0.3494



10.7745, 0.4767, 0.4933



10.7745, 0.1148, 0.2282



10.7745, 0.1439, 0.1540

Sweetspot

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



10.7751, 0.5611, 0.3494



46.8759, 0.3605, 0.3377



11.4658, 0.3475, 0.1835



9.9078, 0.3693, 0.3391



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.



10.7751, 0.5611, 0.3494



16.1949, 0.6186, 0.3415



21.1799, 0.4671, 0.4396



7.7022, 0.3282, 0.3322



6.7976, 0.6255, 0.3415



0.2137, 0.5791, 0.3784

Inverse Universe

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



24.2979, 0.2208, 0.2953



41.2415, 0.2136, 0.2869



9.3053, 0.1863, 0.1624



8.3539, 0.2987, 0.3258



17.4690, 0.2127, 0.2857



0.4717, 0.2171, 0.3014

Previews

White Background



This preview shows how the Yxy color 10.7745, 0.5611, 0.3494 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 10.7745, 0.5611, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

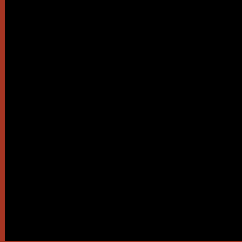
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7745, 0.5611, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 10.7745, 0.5611, 0.3494.



This preview shows how white text looks on a background with the Yxy color 10.7745, 0.5611, 0.3494.

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

10.7745, 0.5611, 0.3494

Protanopia

10.9175, 0.3975, 0.4331

Deuteranopia

11.0012, 0.4508, 0.4470



Tritanopia

10.8402, 0.5362, 0.3272

Trichromacy



Original Color

10.7745, 0.5611, 0.3494

Protanomaly

10.0588, 0.4626, 0.3955

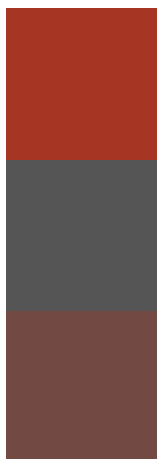
Deuteranomaly

10.4085, 0.4979, 0.4049

Tritanomaly

10.8687, 0.5470, 0.3367

Monochromacy



Original Color

10.7745, 0.5611, 0.3494

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.7477, 0.4047, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7745, 0.5611, 0.3494 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(166, 53, 35)` looks like.

```
.text, #text, p{  
  color:rgb(166, 53, 35)  
}
```

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(166, 53, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 53, 35) }
```

Border

The CSS property to change the border of an element to Yxy 10.7745, 0.5611, 0.3494 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(166, 53, 35) }
```

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

```
.border{ border-color:rgb(166, 53, 35) }
```

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

Here you see how a box with a 4 pixel rgb(166, 53, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 53, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 53, 35);  
box-shadow:4px 4px 4px 4px rgb(166, 53,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7745, 0.5611, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 53, 35) }
```

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

```
.background{ background-color: rgb(166, 53,  
35) }
```

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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