

Converting Colors

$Y_{xy}(11.7681, 0.5476, 0.3629)$

Have a look what the booklet for
Yxy(11.7681, 0.5476, 0.3629)
contains.

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Color

Yxy(11.7834, 0.5476, 0.3624)

Conversions

Conversions Part 1

Format	Color
Hex	A63F23
RGB	166, 63, 35
RGB Percent	65%, 25%, 14%
CMY	0.3491, 0.7529, 0.8627
CMYK	0.00, 0.62, 0.79, 0.35
HSL	13°, 65%, 39%
HSV	13°, 79%, 65%
XYZ	17.8052, 11.7834, 2.9263
YIQ	90.6050, 70.3760, 13.1280

Conversions

Conversions Part 2

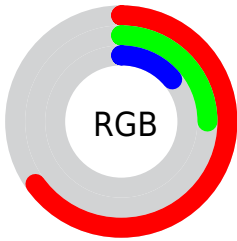
Format	Color
R_{YB}	166, 71, 35
Decimal	10895139
CIE _{Lab}	40.87, 40.96, 38.14
CIE _{LCh}	41, 55.973, 42.958
Yxy	11.7834, 0.5476, 0.3624
Android (android.graphics.Color)	4289085219 (0xFFA63F23)
YUV	90.6050, -27.4133, 66.1214
Hunter-Lab	34.3270, 32.5146, 18.9745

Details

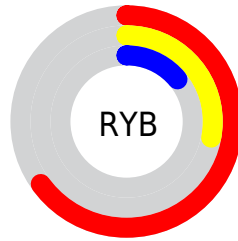
The Yxy color **11.7834, 0.5476, 0.3624** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.2801, 0.2157, 0.2755**, and the grayscale version is **10.4204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2016, 0.4912, 0.3647**, and **3.2343, 0.6337, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **10.4293, 0.5831, 0.3582**, and if you desaturate by 10%, it is **13.5282, 0.5078, 0.3630**.

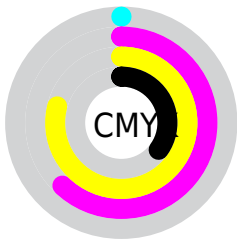
Distribution



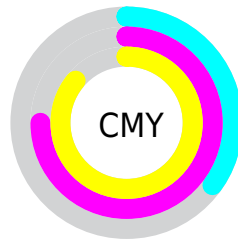
- Red (65%)
- Green (25%)
- Blue (14%)



- Red (65%)
- Yellow (28%)
- Blue (14%)



- Cyan (0%)
- Magenta (62%)
- Yellow (79%)
- Black (35%)




- Cyan (35%)
- Magenta (75%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7834, 0.5476, 0.3624 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 11.7834, 0.5476, 0.3624 by changing the saturation by 10% instead.


 11.7834, 0.5476,
0.3624


 11.7834, 0.5476,
0.3624


202.9660, 0.4076,
0.3553


 6.5964, 0.5877,
0.3554


 29.1000, 0.4918,
0.3647


 3.2110, 0.6541,
0.3459


 41.9983, 0.4722,
0.3638


 1.2428, 0.7022,
0.2978


 58.2359, 0.4562,
0.3625

 0.0963, 0.9206,
0.0794

 78.1971, 0.4430,
0.3610

 0.0000, 1.0000,
0.0000


 102.2663, 0.4320,
0.3595


 0.0000, 0.0000,
0.0000


 130.8280, 0.4226,


0.3580


 164.2664, 0.4146,
0.3566


 11.7834, 0.5476,
0.3624


 11.7834, 0.5476,
0.3624


 10.4293, 0.5831,
0.3582


 13.5282, 0.5078,
0.3630


 9.4279, 0.6110,
0.3514

 15.6895, 0.4679,
0.3607

 9.3374, 0.6138,
0.3508

 18.2935, 0.4310,
0.3564

 21.3633, 0.3983,
0.3510

 24.9205, 0.3704,
0.3451

■ 28.9853, 0.3469,
0.3393

■ 33.5767, 0.3274,
0.3337

■ 38.7128, 0.3111,
0.3285

■ 44.4107, 0.2975,
0.3236

Harmonies

Analogous

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



11.7834, 0.5021, 0.2891



11.7834, 0.5476, 0.3624



11.7834, 0.5116, 0.4432

Triad

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



11.7834, 0.5476, 0.3624



11.7834, 0.2180, 0.4802



11.7834, 0.1778, 0.1611

Complementary

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



11.7834, 0.5476, 0.3624



21.2801, 0.2157, 0.2755

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.



11.7834, 0.1333, 0.1726



11.7834, 0.5476, 0.3624



11.7834, 0.1484, 0.3323

Square

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



11.7834, 0.5476, 0.3624



11.7834, 0.3202, 0.5596



11.7834, 0.1229, 0.2239



11.7834, 0.2633, 0.1795

Rectangle

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



11.7834, 0.5476, 0.3624



11.7834, 0.4578, 0.4991



11.7834, 0.1229, 0.2239



11.7834, 0.1588, 0.1613

Sweetspot

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



11.7841, 0.5476, 0.3624



48.4142, 0.3594, 0.3425



11.1954, 0.3627, 0.1930



10.2829, 0.3678, 0.3445



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.



11.7841, 0.5476, 0.3624



17.4577, 0.6050, 0.3525



23.3268, 0.4556, 0.4507



7.7928, 0.3280, 0.3339



7.2998, 0.6124, 0.3520



0.2477, 0.5537, 0.3986

Inverse Universe

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



21.2801, 0.2157, 0.2755



34.8437, 0.2067, 0.2618



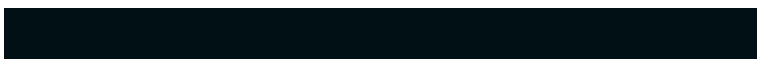
8.0478, 0.1820, 0.1458



8.2557, 0.2987, 0.3241



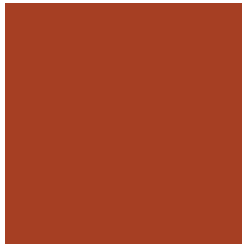
14.6879, 0.2056, 0.2600



0.4236, 0.2126, 0.2853

Previews

White Background



This preview shows how the Yxy color 11.7834, 0.5476, 0.3624 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 11.7834, 0.5476, 0.3624 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 11.7834, 0.5476, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 11.7834, 0.5476, 0.3624.



This preview shows how white text looks on a background with the Yxy color 11.7834, 0.5476, 0.3624.

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

11.7834, 0.5476, 0.3624

Protanopia

11.9270, 0.4039, 0.4406

Deuteranopia

11.8710, 0.4528, 0.4460



Tritanopia

11.8061, 0.5087, 0.3256

Trichromacy



Original Color

11.7834, 0.5476, 0.3624

Protanomaly

11.3242, 0.4595, 0.4097

Deuteranomaly

11.3819, 0.4923, 0.4102

Tritanomaly

11.8100, 0.5252, 0.3399

Monochromacy



Original Color

11.7834, 0.5476, 0.3624

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.1913, 0.3975, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7834, 0.5476, 0.3624 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, 63, 35)` looks like.

```
.text, #text, p{  
    color:rgb(166, 63, 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, 63, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 63, 35) }
```

Border

The CSS property to change the border of an element to Yxy 11.7834, 0.5476, 0.3624 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, 63, 35) }
```

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

```
.border{ border-color:rgb(166, 63, 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, 63, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 63, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 63, 35);  
box-shadow:4px 4px 4px 4px rgb(166, 63,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7834, 0.5476, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 63, 35) }
```

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

```
.background{ background-color: rgb(166, 63,  
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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