

Converting Colors

$Y_{xy}(11.8549, 0.5552, 0.3624)$

Have a look what the booklet for
Yxy(11.8549, 0.5552, 0.3624)
contains.

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Color

Yxy(11.8744, 0.5543, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	A83E20
RGB	168, 62, 32
RGB Percent	66%, 24%, 13%
CMY	0.3412, 0.7568, 0.8744
CMYK	0.00, 0.63, 0.81, 0.34
HSL	13°, 68%, 39%
HSV	13°, 81%, 66%
XYZ	18.1322, 11.8744, 2.7053
YIQ	90.2740, 72.8060, 13.1420

Conversions

Conversions Part 2

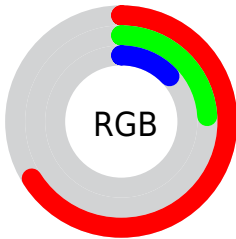
Format	Color
R_{YB}	168, 70, 32
Decimal	11025952
CIE _{Lab}	41.02, 42.08, 39.94
CIE _{LCh}	41, 58.015, 43.511
Yxy	11.8744, 0.5543, 0.3630
Android (android.graphics.Color)	4289216032 (0xFFA83E20)
YUV	90.2740, -28.7291, 68.1657
Hunter-Lab	34.4593, 33.6215, 19.4668

Details

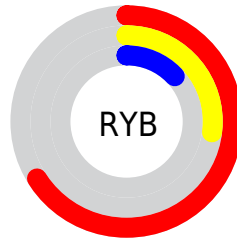
The Yxy color **11.8744, 0.5543, 0.3630** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.3202, 0.2139, 0.2721**, and the grayscale version is **10.3442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2572, 0.4971, 0.3659**, and **3.2946, 0.6376, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **10.5489, 0.5882, 0.3580**, and if you desaturate by 10%, it is **13.5912, 0.5152, 0.3643**.

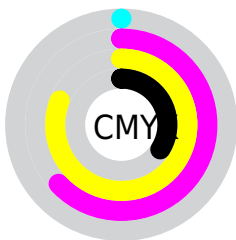
Distribution



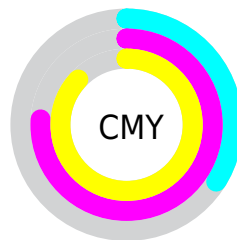
- Red (66%)
- Green (24%)
- Blue (13%)



- Red (66%)
- Yellow (27%)
- Blue (13%)



- Cyan (0%)
- Magenta (63%)
- Yellow (81%)
- Black (34%)





- Cyan (34%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8744, 0.5543, 0.3630 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 11.8744, 0.5543, 0.3630 by changing the saturation by 10% instead.


 11.8744, 0.5543,
0.3630


 11.8744, 0.5543,
0.3630


203.5720, 0.4111,
0.3567


 6.6582, 0.5944,
0.3551


 29.2661, 0.4977,
0.3661


 3.2493, 0.6573,
0.3427

 42.2105, 0.4776,
0.3653


 1.2632, 0.7057,
0.2943

 58.4997, 0.4612,
0.3640

 0.1125, 0.9123,
0.0877

 78.5181, 0.4477,
0.3625


 0.0000, 1.0000,
0.0000


 102.6501, 0.4363,
0.3610

 0.0000, 0.0000,
0.0000


 131.2802, 0.4266,


0.3595


 164.7927, 0.4183,
0.3580

 11.8744, 0.5543,
0.3630


 11.8744, 0.5543,
0.3630


 10.5489, 0.5882,
0.3580


 13.5912, 0.5152,
0.3643

 9.6499, 0.6127,
0.3517

 15.7260, 0.4753,
0.3624

 18.3055, 0.4378,
0.3582

 21.3535, 0.4044,
0.3528

 24.8920, 0.3756,
0.3469

■ 28.9416, 0.3513,
0.3408

■ 33.5217, 0.3310,
0.3350

■ 38.6508, 0.3141,
0.3295

■ 44.3462, 0.3001,
0.3244

Harmonies

Analogous

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



11.8744, 0.5100, 0.2887



11.8744, 0.5543, 0.3630



11.8744, 0.5146, 0.4457

Triad

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



11.8744, 0.5543, 0.3630



11.8744, 0.2128, 0.4835



11.8744, 0.1755, 0.1572

Complementary

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



11.8744, 0.5543, 0.3630



21.3202, 0.2139, 0.2721

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.



11.8744, 0.1297, 0.1680



11.8744, 0.5543, 0.3630



11.8744, 0.1430, 0.3291

Square

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



11.8744, 0.5543, 0.3630



11.8744, 0.3168, 0.5675



11.8744, 0.1184, 0.2188



11.8744, 0.2636, 0.1766

Rectangle

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



11.8744, 0.5543, 0.3630



11.8744, 0.4583, 0.5037



11.8744, 0.1184, 0.2188



11.8744, 0.1560, 0.1572

Sweetspot

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



11.8751, 0.5543, 0.3630



49.8325, 0.3594, 0.3429



11.2104, 0.3684, 0.1940



10.3156, 0.3677, 0.3450



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.



11.8751, 0.5543, 0.3630



17.7102, 0.6086, 0.3518



24.2555, 0.4559, 0.4547



7.8006, 0.3280, 0.3340



7.3523, 0.6111, 0.3530



0.2506, 0.5517, 0.4001

Inverse Universe

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



21.3202, 0.2139, 0.2721



34.8344, 0.2054, 0.2579



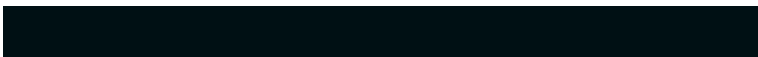
7.5853, 0.1783, 0.1368



8.2473, 0.2987, 0.3239



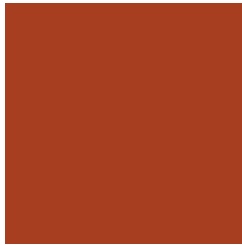
14.4647, 0.2049, 0.2577



0.4197, 0.2122, 0.2838

Previews

White Background



This preview shows how the Yxy color 11.8744, 0.5543, 0.3630 looks on a white background.

Color Contrast Check

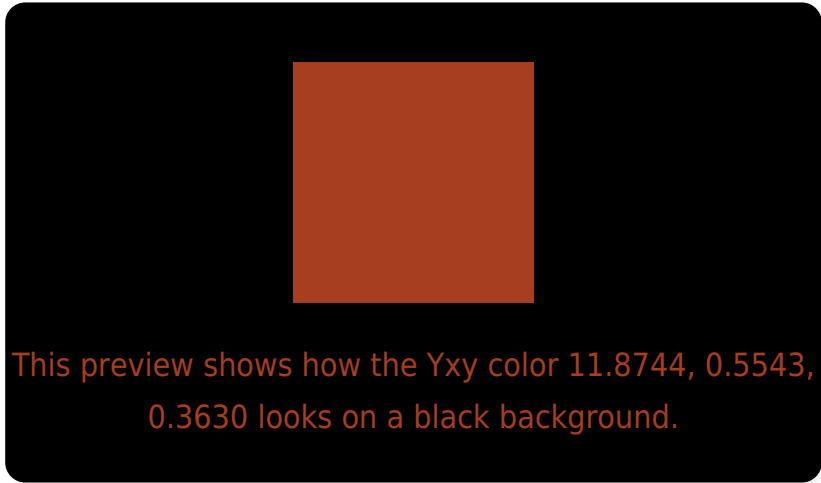
Large Text (above 18pt) WCAG AA ✓ Pass

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

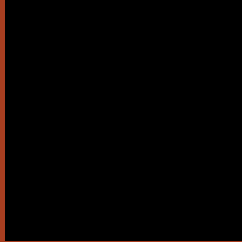
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8744, 0.5543, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 11.8744, 0.5543, 0.3630.



This preview shows how white text looks on a background with the Yxy color 11.8744, 0.5543, 0.3630.

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

11.8744, 0.5543, 0.3630

Protanopia

12.1537, 0.4078, 0.4469

Deuteranopia

12.0976, 0.4567, 0.4518



Tritanopia

11.9107, 0.5139, 0.3257

Trichromacy



Original Color

11.8744, 0.5543, 0.3630

Protanomaly

11.3828, 0.4649, 0.4133

Deuteranomaly

11.5981, 0.4958, 0.4152

Tritanomaly

11.9057, 0.5318, 0.3408

Monochromacy



Original Color

11.8744, 0.5543, 0.3630

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.0185, 0.4020, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8744, 0.5543, 0.3630 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, 62, 32)` looks like.

```
.text, #text, p{  
    color:rgb(168, 62, 32)  
}
```

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, 62, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 62, 32) }
```

Border

The CSS property to change the border of an element to Yxy 11.8744, 0.5543, 0.3630 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, 62, 32) }
```

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

```
.border{ border-color:rgb(168, 62, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 62, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 62, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 62, 32);  
box-shadow:4px 4px 4px 4px rgb(168, 62,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8744, 0.5543, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 62, 32) }
```

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

```
.background{ background-color: rgb(168, 62,  
32) }
```

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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