

Converting Colors

$Y_{xy}(11.8845, 0.5646, 0.3562)$

Have a look what the booklet for
Yxy(11.8845, 0.5646, 0.3562)
contains.

Yxy(11.8012, 0.5645, 0.3555)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8012, 0.5645, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	AC3920
RGB	172, 57, 32
RGB Percent	67%, 22%, 13%
CMY	0.3254, 0.7765, 0.8746
CMYK	0.00, 0.67, 0.81, 0.33
HSL	11°, 69%, 40%
HSV	11°, 81%, 67%
XYZ	18.7392, 11.8012, 2.6557
YIQ	88.5350, 76.5650, 16.6050

Conversions

Conversions Part 2

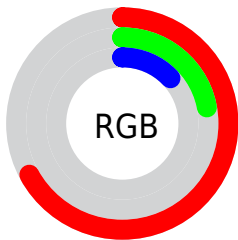
Format	Color
R_{YB}	172, 62, 32
Decimal	11286816
CIE _{Lab}	40.90, 45.76, 40.10
CIE _{LCh}	41, 60.842, 41.230
Yxy	11.8012, 0.5645, 0.3555
Android (android.graphics.Color)	4289476896 (0xFFAC3920)
YUV	88.5350, -27.8718, 73.1988
Hunter-Lab	34.3529, 37.2526, 19.4635

Details

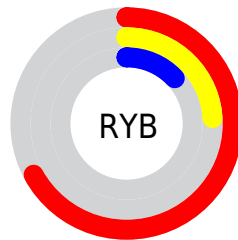
The Yxy color **11.8012, 0.5645, 0.3555** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **24.1556, 0.2165, 0.2830**, and the grayscale version is **9.9314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1943, 0.5062, 0.3615**, and **3.4447, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.5238, 0.5984, 0.3507**, and if you desaturate by 10%, it is **13.5175, 0.5241, 0.3572**.

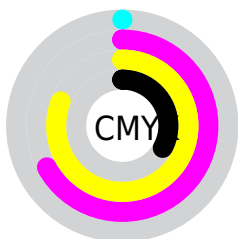
Distribution



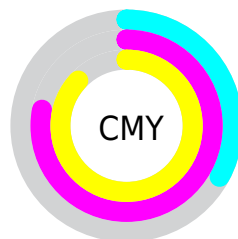
- Red (67%)
- Green (22%)
- Blue (13%)



- Red (67%)
- Yellow (24%)
- Blue (13%)



- Cyan (0%)
- Magenta (67%)
- Yellow (81%)
- Black (33%)



- Cyan (33%)
- Magenta (78%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8012, 0.5645, 0.3555 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 11.8012, 0.5645, 0.3555 by changing the saturation by 10% instead.


 11.8012, 0.5645,
0.3555


 11.8012, 0.5645,
0.3555


203.0847, 0.4154,
0.3545


 6.6085, 0.6061,
0.3457


 29.1325, 0.5057,
0.3609


 3.2185, 0.6699,
0.3301

 42.0399, 0.4847,
0.3609


 1.2468, 0.7205,
0.2795

 58.2876, 0.4677,
0.3602

 0.0995, 0.9273,
0.0727

 78.2600, 0.4535,
0.3592

 0.0000, 1.0000,
0.0000


 102.3415, 0.4416,
0.3580

 0.0000, 0.0000,
0.0000


 130.9165, 0.4316,


0.3568


 164.3695, 0.4229,
0.3556

 11.8012, 0.5645,
0.3555


 11.8012, 0.5645,
0.3555

 10.5238, 0.5984,
0.3507


 13.5175, 0.5241,
0.3572

 9.7375, 0.6207,
0.3454

 15.7068, 0.4824,
0.3561

 18.4019, 0.4430,
0.3529

 21.6322, 0.4080,
0.3486

 25.4246, 0.3780,
0.3438

■ 29.8044, 0.3529,
0.3389

■ 34.7952, 0.3321,
0.3341

■ 40.4194, 0.3149,
0.3296

■ 46.6981, 0.3007,
0.3255

Harmonies

Analogous

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



11.8012, 0.5122, 0.2804



11.8012, 0.5645, 0.3555



11.8012, 0.5265, 0.4399

Triad

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



11.8012, 0.5645, 0.3555



11.8012, 0.2146, 0.5040



11.8012, 0.1653, 0.1509

Complementary

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



11.8012, 0.5645, 0.3555



24.1556, 0.2165, 0.2830

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.



11.8012, 0.1215, 0.1641



11.8012, 0.5645, 0.3555



11.8012, 0.1398, 0.3396

Square

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



11.8012, 0.5645, 0.3555



11.8012, 0.3231, 0.5808



11.8012, 0.1123, 0.2195



11.8012, 0.2524, 0.1686

Rectangle

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



11.8012, 0.5645, 0.3555



11.8012, 0.4694, 0.5018



11.8012, 0.1123, 0.2195



11.8012, 0.1464, 0.1516

Sweetspot

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



11.8019, 0.5645, 0.3555



51.5420, 0.3600, 0.3403



11.9640, 0.3567, 0.1861



10.6038, 0.3687, 0.3420



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8019, 0.5645, 0.3555



17.7047, 0.6188, 0.3447



23.6292, 0.4659, 0.4466



8.2381, 0.3282, 0.3331



7.3046, 0.6192, 0.3466



0.2705, 0.5679, 0.3873

Inverse Universe

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



24.1556, 0.2165, 0.2830



40.1840, 0.2090, 0.2714



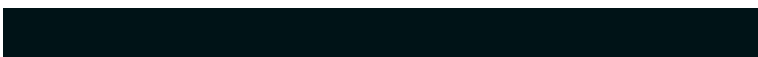
8.8293, 0.1808, 0.1476



8.8251, 0.2986, 0.3249



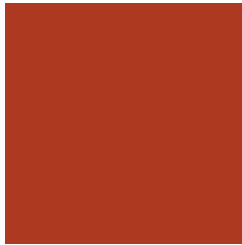
16.5274, 0.2089, 0.2719



0.5224, 0.2142, 0.2910

Previews

White Background



This preview shows how the Yxy color 11.8012, 0.5645, 0.3555 looks on a white background.

Color Contrast Check

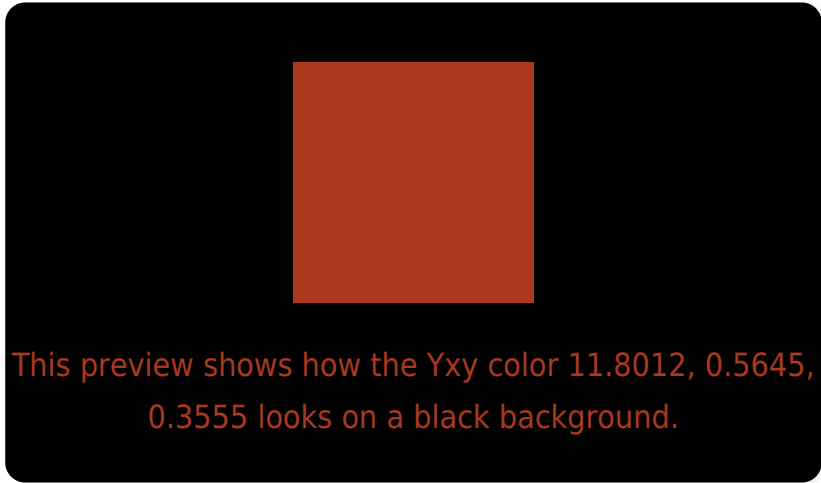
Large Text (above 18pt) WCAG AA ✓ Pass

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

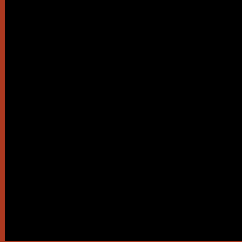
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8012, 0.5645, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 11.8012, 0.5645, 0.3555.

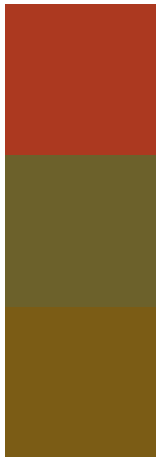


This preview shows how white text looks on a background with the Yxy color 11.8012, 0.5645, 0.3555.

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

11.8012, 0.5645, 0.3555

Protanopia

11.9120, 0.4063, 0.4442

Deuteranopia

11.9194, 0.4591, 0.4511



Tritanopia

11.8180, 0.5323, 0.3261

Trichromacy



Original Color

11.8012, 0.5645, 0.3555

Protanomaly

11.0064, 0.4699, 0.4058

Deuteranomaly

11.3249, 0.5047, 0.4096

Tritanomaly

11.8300, 0.5461, 0.3377

Monochromacy



Original Color

11.8012, 0.5645, 0.3555

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.6470, 0.4083, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8012, 0.5645, 0.3555 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(172, 57, 32)` looks like.

```
.text, #text, p{  
    color:rgb(172, 57, 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(172, 57, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 57, 32) }
```

Border

The CSS property to change the border of an element to Yxy 11.8012, 0.5645, 0.3555 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(172, 57, 32) }
```

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

```
.border{ border-color:rgb(172, 57, 32) }
```

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

Here you see how a box with a 4 pixel rgb(172, 57, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 57, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 57, 32);  
box-shadow:4px 4px 4px 4px rgb(172, 57,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8012, 0.5645, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 57, 32) }
```

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

```
.background{ background-color: rgb(172, 57,  
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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