

Converting Colors

$Y_{xy}(10.8815, 0.6180, 0.3820)$

Have a look what the booklet for
Yxy(10.8815, 0.6180, 0.3820)
contains.

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Color

Yxy(10.9137, 0.5951, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	AA3300
RGB	170, 51, 0
RGB Percent	67%, 20%, 0%
CMY	0.3334, 0.7999, 1.0000
CMYK	0.00, 0.70, 1.00, 0.33
HSL	18°, 100%, 33%
HSV	18°, 100%, 67%
XYZ	17.7598, 10.9137, 1.1699
YIQ	80.7670, 87.2950, 9.3670

Conversions

Conversions Part 2

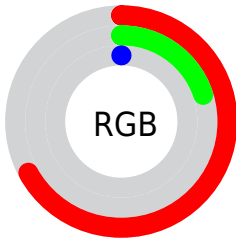
Format	Color
R_{YB}	170, 73, 0
Decimal	11154176
CIE _{Lab}	39.43, 46.91, 51.45
CIE _{LCh}	39, 69.619, 47.643
Yxy	10.9137, 0.5951, 0.3657
Android (android.graphics.Color)	4289344256 (0xFFAA3300)
YUV	80.7670, -39.8181, 78.2573
Hunter-Lab	33.0359, 38.1470, 21.0256

Details

The Yxy color **10.9137, 0.5951, 0.3657** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.0881, 0.1969, 0.2287**, and the grayscale version is **8.2489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4813, 0.5349, 0.3750**, and **3.2512, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.9144, 0.5951, 0.3657**, and if you desaturate by 10%, it is **12.1313, 0.5680, 0.3735**.

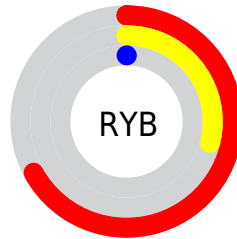
Distribution



Red (67%)

Green (20%)

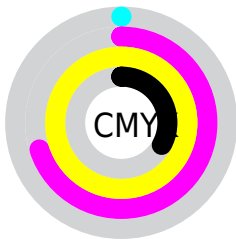
Blue (0%)



Red (67%)

Yellow (29%)

Blue (0%)

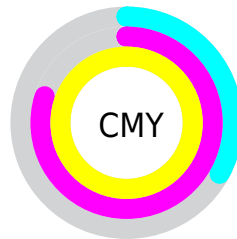


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9137, 0.5951, 0.3657 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 10.9137, 0.5951, 0.3657 by changing the saturation by 10% instead.


 10.9137, 0.5951,
0.3657


 10.9137, 0.5951,
0.3657


 197.0745, 0.4328,
0.3667


 6.0088, 0.6441,
0.3559

 27.5005, 0.5344,
0.3753


 2.8505, 0.6798,
0.3202

 39.9512, 0.5116,
0.3757

 1.0542, 0.7345,
0.2655

 55.6859, 0.4926,
0.3749

 0.0000, 1.0000,
0.0000


 75.0892, 0.4766,
0.3735


 0.0000, 0.0000,
0.0000


 98.5452, 0.4631,
0.3718

 126.4385, 0.4515,


0.3701

 159.1535, 0.4415,
0.3684


 10.9137, 0.5951,
0.3657


 10.9137, 0.5951,
0.3657


 10.9144, 0.5951,
0.3657

 12.1313, 0.5680,
0.3735

 13.6675, 0.5355,
0.3779

 15.5537, 0.4994,
0.3779

 17.8119, 0.4631,
0.3742

 20.4619, 0.4289,
0.3681

■ 23.5222, 0.3982,
0.3605

■ 27.0097, 0.3715,
0.3524

■ 30.9405, 0.3486,
0.3442

■ 35.3300, 0.3291,
0.3364

Harmonies

Analogous

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



10.9137, 0.5668, 0.2859



10.9137, 0.5951, 0.3657



10.9137, 0.5326, 0.4674

Triad

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



10.9137, 0.5951, 0.3657



10.9137, 0.1737, 0.4993



10.9137, 0.1629, 0.1330

Complementary

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



10.9137, 0.5951, 0.3657



16.0881, 0.1969, 0.2287

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.



10.9137, 0.1082, 0.1381



10.9137, 0.5951, 0.3657



10.9137, 0.1073, 0.2995

Square

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



10.9137, 0.5951, 0.3657



10.9137, 0.2865, 0.6238



10.9137, 0.0904, 0.1833



10.9137, 0.2702, 0.1584

Rectangle

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



10.9137, 0.5951, 0.3657



10.9137, 0.4578, 0.5422



10.9137, 0.0904, 0.1833



10.9137, 0.1397, 0.1312

Sweetspot

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



10.9144, 0.5951, 0.3657



48.6479, 0.3728, 0.3529



9.8766, 0.4139, 0.2054



10.2532, 0.3834, 0.3562



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.



10.9144, 0.5951, 0.3657



19.4712, 0.5981, 0.3633



26.1509, 0.4594, 0.4734



7.8958, 0.3278, 0.3358



8.1172, 0.5931, 0.3672



0.2859, 0.5301, 0.4173

Inverse Universe

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



16.0881, 0.1969, 0.2287



28.7964, 0.1963, 0.2268



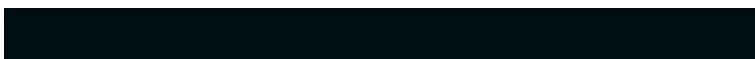
4.0458, 0.1557, 0.0805



8.1462, 0.2987, 0.3221



11.9370, 0.1972, 0.2299



0.3735, 0.2074, 0.2665

Previews

White Background



This preview shows how the Yxy color 10.9137, 0.5951, 0.3657 looks on a white background.

Color Contrast Check

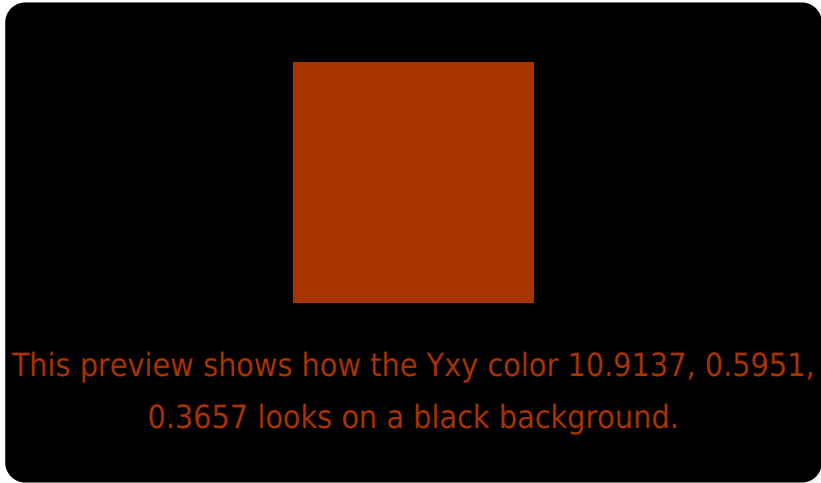
Large Text (above 18pt) WCAG AA ✓ Pass

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

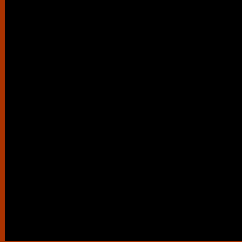
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9137, 0.5951, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 10.9137, 0.5951, 0.3657.



This preview shows how white text looks on a background with the Yxy color 10.9137, 0.5951, 0.3657.

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

10.9137, 0.5951, 0.3657

Protanopia

11.1166, 0.4299, 0.4748

Deuteranopia

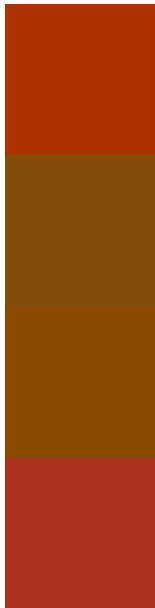
11.0667, 0.4699, 0.4651



Tritanopia

11.0021, 0.5484, 0.3275

Trichromacy



Original Color

10.9137, 0.5951, 0.3657

Protanomaly

10.1424, 0.5004, 0.4285

Deuteranomaly

10.4354, 0.5249, 0.4214

Tritanomaly

10.9588, 0.5738, 0.3464

Monochromacy



Original Color

10.9137, 0.5951, 0.3657

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.1390, 0.4359, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9137, 0.5951, 0.3657 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(170, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 51, 0)  
}
```

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(170, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 51, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.9137, 0.5951, 0.3657 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(170, 51, 0) }
```

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

```
.border{ border-color:rgb(170, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 51, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9137, 0.5951, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 51, 0) }
```

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

```
.background{ background-color: rgb(170, 51,  
0) }
```

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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