

Converting Colors

$Y_{xy}(11.3631, 0.6132, 0.3513)$

Have a look what the booklet for
Yxy(11.3631, 0.6132, 0.3513)
contains.

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Color

Yxy(11.3413, 0.6134, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	B52800
RGB	181, 40, 0
RGB Percent	71%, 16%, 0%
CMY	0.2902, 0.8431, 0.9997
CMYK	0.00, 0.78, 1.00, 0.29
HSL	13°, 100%, 36%
HSV	13°, 100%, 71%
XYZ	19.8142, 11.3413, 1.1467
YIQ	77.5990, 96.8760, 17.4520

Conversions

Conversions Part 2

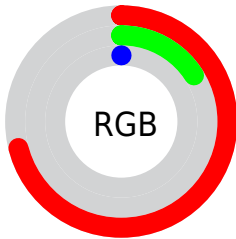
Format	Color
R_{YB}	181, 51, 0
Decimal	11872256
CIE Lab	40.15, 54.45, 52.97
CIE LCh	40, 75.963, 44.212
Yxy	11.3413, 0.6134, 0.3511
Android (android.graphics.Color)	4290062336 (0xFFB52800)
YUV	77.5990, -38.2563, 90.6827
Hunter-Lab	33.6768, 46.0881, 21.5549

Details

The Yxy color **11.3413, 0.6134, 0.3511** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.3994, 0.2046, 0.2564**, and the grayscale version is **7.6020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2189, 0.5503, 0.3648**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.3382, 0.6135, 0.3511**, and if you desaturate by 10%, it is **12.5169, 0.5867, 0.3584**.

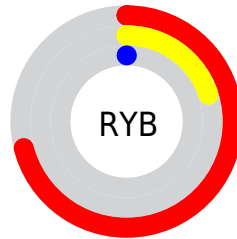
Distribution



Red (71%)

Green (16%)

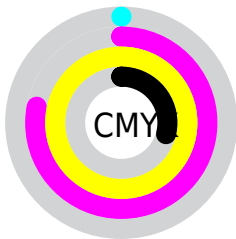
Blue (0%)



Red (71%)

Yellow (20%)

Blue (0%)

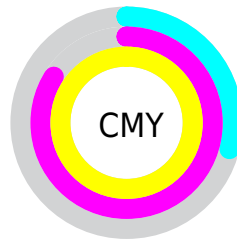


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3413, 0.6134, 0.3511 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 11.3413, 0.6134, 0.3511 by changing the saturation by 10% instead.


 11.3413, 0.6134,
0.3511


 11.3413, 0.6134,
0.3511


 199.9943, 0.4424,
0.3629


 6.2969, 0.6626,
0.3374


 28.2896, 0.5503,
0.3653

 3.0264, 0.7002,
0.2998


 40.9622, 0.5262,
0.3673

 1.1456, 0.7561,
0.2439


 56.9464, 0.5061,
0.3677

 0.0165, 0.9887,
0.0113

 76.6266, 0.4892,
0.3673


 0.0000, 1.0000,
0.0000


 100.3870, 0.4748,
0.3665


 0.0000, 0.0000,
0.0000


 128.6122, 0.4624,


0.3654


 161.6865, 0.4517,
0.3642


 11.3413, 0.6134,
0.3511


 11.3413, 0.6134,
0.3511


 11.3382, 0.6135,
0.3511

 12.5169, 0.5867,
0.3584

 14.1135, 0.5523,
0.3632

 16.1769, 0.5128,
0.3643

 18.7415, 0.4728,
0.3622

 21.8382, 0.4353,
0.3579

■ 25.4953, 0.4020,
0.3524

■ 29.7390, 0.3735,
0.3464

■ 34.5940, 0.3494,
0.3403

■ 40.0834, 0.3294,
0.3345

Harmonies

Analogous

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



11.3413, 0.5728, 0.2716



11.3413, 0.6134, 0.3511



11.3413, 0.5486, 0.4514

Triad

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



11.3413, 0.6134, 0.3511



11.3413, 0.1744, 0.5397



11.3413, 0.1461, 0.1230

Complementary

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



11.3413, 0.6134, 0.3511



22.3994, 0.2046, 0.2564

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.



11.3413, 0.0955, 0.1313



11.3413, 0.6134, 0.3511



11.3413, 0.1011, 0.3157

Square

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



11.3413, 0.6134, 0.3511



11.3413, 0.2934, 0.6476



11.3413, 0.0808, 0.1827



11.3413, 0.2504, 0.1455

Rectangle

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



11.3413, 0.6134, 0.3511



11.3413, 0.4698, 0.5302



11.3413, 0.0808, 0.1827



11.3413, 0.1243, 0.1222

Sweetspot

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



11.3420, 0.6134, 0.3511



52.8282, 0.3749, 0.3467



11.7713, 0.3845, 0.1892



10.7140, 0.3863, 0.3493



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.3420, 0.6134, 0.3511



20.0324, 0.6160, 0.3491



25.7172, 0.4799, 0.4571



8.7995, 0.3282, 0.3341



7.9040, 0.6115, 0.3527



0.3353, 0.5585, 0.3947

Inverse Universe

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



22.3994, 0.2046, 0.2564



39.7593, 0.2042, 0.2551



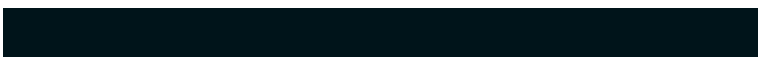
5.7331, 0.1601, 0.0962



9.3068, 0.2986, 0.3239



15.5452, 0.2048, 0.2574



0.5681, 0.2110, 0.2795

Previews

White Background



This preview shows how the Yxy color 11.3413, 0.6134, 0.3511 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

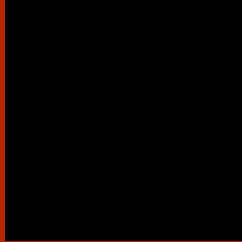
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3413, 0.6134, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 11.3413, 0.6134, 0.3511.



This preview shows how white text looks on a background with the Yxy color 11.3413, 0.6134, 0.3511.

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

11.3413, 0.6134, 0.3511

Protanopia

11.6080, 0.4286, 0.4737

Deuteranopia

11.5471, 0.4690, 0.4658



Tritanopia

11.3499, 0.5840, 0.3298

Trichromacy



Original Color

11.3413, 0.6134, 0.3511

Protanomaly

10.3488, 0.5119, 0.4188

Deuteranomaly

10.4744, 0.5367, 0.4120

Tritanomaly

11.3407, 0.5992, 0.3407

Monochromacy



Original Color

11.3413, 0.6134, 0.3511

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.5419, 0.4515, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3413, 0.6134, 0.3511 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(181, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 40, 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(181, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 40, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.3413, 0.6134, 0.3511 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(181, 40, 0) }
```

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

```
.border{ border-color:rgb(181, 40, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 40, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 40, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3413, 0.6134, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 40, 0) }
```

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

```
.background{ background-color: rgb(181, 40,  
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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