

Converting Colors

$Y_{xy}(11.2021, 0.6158, 0.3492)$

Have a look what the booklet for
Yxy(11.2021, 0.6158, 0.3492)
contains.

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Color

Yxy(11.2100, 0.6156, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	B52600
RGB	181, 38, 0
RGB Percent	71%, 15%, 0%
CMY	0.2902, 0.8510, 1.0000
CMYK	0.00, 0.79, 1.00, 0.29
HSL	13°, 100%, 35%
HSV	13°, 100%, 71%
XYZ	19.7506, 11.2100, 1.1229
YIQ	76.4250, 97.4260, 18.4980

Conversions

Conversions Part 2

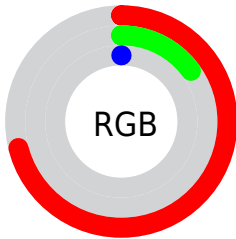
Format	Color
R_{YB}	181, 48, 0
Decimal	11871744
CIE Lab	39.93, 55.07, 52.90
CIE LCh	40, 76.361, 43.850
Yxy	11.2100, 0.6156, 0.3494
Android (android.graphics.Color)	4290061824 (0xFFB52600)
YUV	76.4250, -37.6775, 91.7123
Hunter-Lab	33.4813, 46.7048, 21.4484

Details

The Yxy color **11.2100, 0.6156, 0.3494** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.9868, 0.2056, 0.2602**, and the grayscale version is **7.3669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0262, 0.5521, 0.3644**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2103, 0.6156, 0.3494**, and if you desaturate by 10%, it is **12.3514, 0.5891, 0.3565**.

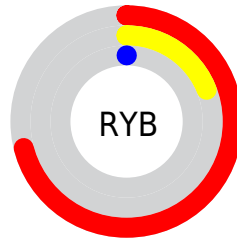
Distribution



Red (71%)

Green (15%)

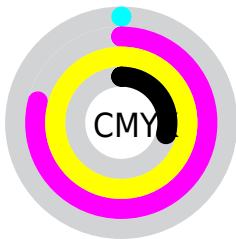
Blue (0%)



Red (71%)

Yellow (19%)

Blue (0%)

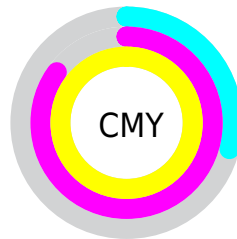


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2100, 0.6156, 0.3494 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 11.2100, 0.6156, 0.3494 by changing the saturation by 10% instead.


 11.2100, 0.6156,
0.3494


 11.2100, 0.6156,
0.3494


 199.1027, 0.4431,
0.3625


 6.2083, 0.6650,
0.3350

 28.0478, 0.5519,
0.3642


 2.9721, 0.7030,
0.2970

 40.6527, 0.5277,
0.3663


 1.1172, 0.7597,
0.2403

 56.5608, 0.5074,
0.3669

 0.0000, 1.0000,
0.0000


 76.1565, 0.4903,
0.3666


 0.0000, 0.0000,
0.0000


 99.8241, 0.4758,
0.3658


 127.9481, 0.4633,


0.3648


 160.9128, 0.4525,
0.3637


 11.2100, 0.6156,
0.3494


 11.2100, 0.6156,
0.3494


 11.2103, 0.6156,
0.3494

 12.3514, 0.5891,
0.3565

 13.9202, 0.5545,
0.3613

 15.9641, 0.5146,
0.3624

 18.5190, 0.4741,
0.3606

 21.6169, 0.4362,
0.3565

■ 25.2873, 0.4026,
0.3513

■ 29.5574, 0.3738,
0.3456

■ 34.4529, 0.3496,
0.3398

■ 39.9977, 0.3294,
0.3342

Harmonies

Analogous

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



11.2100, 0.5736, 0.2700



11.2100, 0.6156, 0.3494



11.2100, 0.5505, 0.4495

Triad

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



11.2100, 0.6156, 0.3494



11.2100, 0.1743, 0.5446



11.2100, 0.1442, 0.1218

Complementary

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



11.2100, 0.6156, 0.3494



22.9868, 0.2056, 0.2602

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.



11.2100, 0.0941, 0.1305



11.2100, 0.6156, 0.3494



11.2100, 0.1002, 0.3176

Square

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



11.2100, 0.6156, 0.3494



11.2100, 0.2939, 0.6502



11.2100, 0.0797, 0.1825



11.2100, 0.2481, 0.1440

Rectangle

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



11.2100, 0.6156, 0.3494



11.2100, 0.4712, 0.5288



11.2100, 0.0797, 0.1825



11.2100, 0.1226, 0.1211

Sweetspot

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



11.2107, 0.6156, 0.3494



52.5194, 0.3752, 0.3459



11.8632, 0.3789, 0.1861



10.6423, 0.3866, 0.3483



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.



11.2107, 0.6156, 0.3494



19.8109, 0.6180, 0.3475



24.9280, 0.4843, 0.4537



8.7848, 0.3282, 0.3338



7.8114, 0.6136, 0.3510



0.3293, 0.5616, 0.3923

Inverse Universe

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



22.9868, 0.2056, 0.2602



40.8240, 0.2053, 0.2589



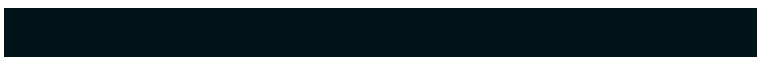
6.0036, 0.1611, 0.1000



9.3227, 0.2986, 0.3241



15.9473, 0.2059, 0.2611



0.5779, 0.2117, 0.2821

Previews

White Background



This preview shows how the Yxy color 11.2100, 0.6156, 0.3494 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

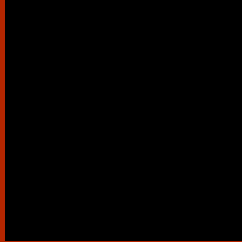
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2100, 0.6156, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 11.2100, 0.6156, 0.3494.



This preview shows how white text looks on a background with the Yxy color 11.2100, 0.6156, 0.3494.

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

11.2100, 0.6156, 0.3494

Protanopia

11.5457, 0.4269, 0.4748

Deuteranopia

11.4752, 0.4675, 0.4670



Tritanopia

11.2069, 0.5897, 0.3306

Trichromacy



Original Color

11.2100, 0.6156, 0.3494

Protanomaly

10.1295, 0.5126, 0.4180

Deuteranomaly

10.3855, 0.5356, 0.4129

Tritanomaly

11.2048, 0.6029, 0.3401

Monochromacy



Original Color

11.2100, 0.6156, 0.3494

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.2361, 0.4566, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2100, 0.6156, 0.3494 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, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 38, 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, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 38, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.2100, 0.6156, 0.3494 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, 38, 0) }
```

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

```
.border{ border-color:rgb(181, 38, 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, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 38, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.2100, 0.6156, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 38, 0) }
```

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

```
.background{ background-color: rgb(181, 38,  
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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