

Converting Colors

$Y_{xy}(10.7633, 0.6232, 0.3434)$

Have a look what the booklet for
Yxy(10.7633, 0.6232, 0.3434)
contains.

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Color

Yxy(10.7523, 0.6233, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	B51E00
RGB	181, 30, 0
RGB Percent	71%, 12%, 0%
CMY	0.2902, 0.8824, 1.0000
CMYK	0.00, 0.83, 1.00, 0.29
HSL	10°, 100%, 35%
HSV	10°, 100%, 71%
XYZ	19.5220, 10.7523, 1.0461
YIQ	71.7290, 99.6260, 22.6820

Conversions

Conversions Part 2

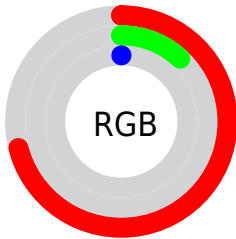
Format	Color
R_{YB}	181, 36, 0
Decimal	11869696
CIE Lab	39.16, 57.25, 52.59
CIE LCh	39, 77.734, 42.570
Yxy	10.7523, 0.6233, 0.3433
Android (android.graphics.Color)	4290059776 (0xFFB51E00)
YUV	71.7290, -35.3624, 95.8307
Hunter-Lab	32.7907, 48.8867, 21.0620

Details

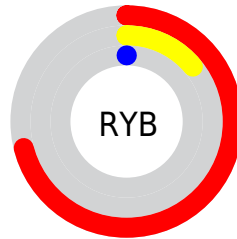
The Yxy color **10.7523, 0.6233, 0.3433** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **25.4756, 0.2098, 0.2754**, and the grayscale version is **6.4799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1337, 0.5578, 0.3604**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.7530, 0.6233, 0.3433**, and if you desaturate by 10%, it is **11.7528, 0.5977, 0.3493**.

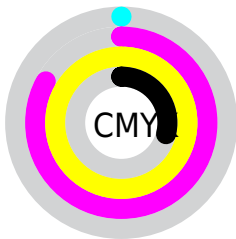
Distribution



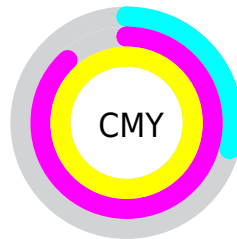
- Red (71%)
- Green (12%)
- Blue (0%)



- Red (71%)
- Yellow (14%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (29%)



- Cyan (29%)
- Magenta (88%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7523, 0.6233, 0.3433 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 10.7523, 0.6233, 0.3433 by changing the saturation by 10% instead.


 10.7523, 0.6233,
0.3433


 10.7523, 0.6233,
0.3433


 195.9602, 0.4458,
0.3607


 5.9005, 0.6732,
0.3268

 27.2012, 0.5576,
0.3601


 2.7847, 0.7131,
0.2869

 39.5671, 0.5327,
0.3628


 1.0204, 0.7722,
0.2278

 55.2066, 0.5118,
0.3639

 0.0000, 1.0000,
0.0000


 74.5039, 0.4942,
0.3639


 0.0000, 0.0000,
0.0000


 97.8436, 0.4793,
0.3635

 125.6099, 0.4665,

0.3627


 158.1873, 0.4554,
0.3617


 10.7523, 0.6233,
0.3433


 10.7523, 0.6233,
0.3433


 10.7530, 0.6233,
0.3433

 11.7528, 0.5977,
0.3493

 13.2057, 0.5626,
0.3537

 15.1666, 0.5213,
0.3551

 17.6778, 0.4790,
0.3538

 20.7771, 0.4394,
0.3508

■ 24.4988, 0.4045,
0.3467

■ 28.8746, 0.3748,
0.3421

■ 33.9340, 0.3500,
0.3376

■ 39.7048, 0.3296,
0.3331

Harmonies

Analogous

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



10.7523, 0.5761, 0.2641



10.7523, 0.6233, 0.3433



10.7523, 0.5571, 0.4429

Triad

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



10.7523, 0.6233, 0.3433



10.7523, 0.1741, 0.5623



10.7523, 0.1375, 0.1177

Complementary

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



10.7523, 0.6233, 0.3433



25.4756, 0.2098, 0.2754

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.



10.7523, 0.0890, 0.1276



10.7523, 0.6233, 0.3433



10.7523, 0.0974, 0.3247

Square

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



10.7523, 0.6233, 0.3433



10.7523, 0.2962, 0.6597



10.7523, 0.0757, 0.1820



10.7523, 0.2402, 0.1388

Rectangle

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



10.7523, 0.6233, 0.3433



10.7523, 0.4762, 0.5238



10.7523, 0.0757, 0.1820



10.7523, 0.1165, 0.1174

Sweetspot

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



10.7530, 0.6233, 0.3433



51.2866, 0.3762, 0.3424



12.1533, 0.3628, 0.1772



10.3567, 0.3880, 0.3443



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.



10.7530, 0.6233, 0.3433



19.0367, 0.6254, 0.3416



22.7009, 0.4976, 0.4431



8.7253, 0.3283, 0.3328



7.4826, 0.6215, 0.3447



0.3048, 0.5750, 0.3817

Inverse Universe

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



25.4756, 0.2098, 0.2754



45.3328, 0.2096, 0.2745



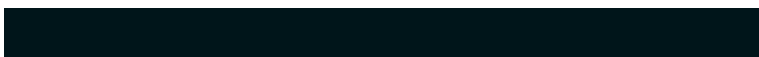
6.9309, 0.1646, 0.1125



9.3871, 0.2986, 0.3251



17.6470, 0.2100, 0.2761



0.6189, 0.2146, 0.2924

Previews

White Background



This preview shows how the Yxy color 10.7523, 0.6233, 0.3433 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

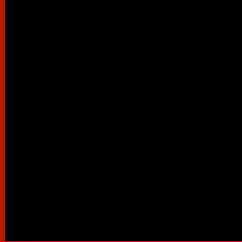
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7523, 0.6233, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 10.7523, 0.6233, 0.3433.



This preview shows how white text looks on a background with the Yxy color 10.7523, 0.6233, 0.3433.

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

10.7523, 0.6233, 0.3433

Protanopia

11.0666, 0.4260, 0.4727

Deuteranopia

10.9963, 0.4683, 0.4663



Tritanopia

10.7288, 0.6067, 0.3312

Trichromacy



Original Color

10.7523, 0.6233, 0.3433

Protanomaly

9.5247, 0.5186, 0.4114

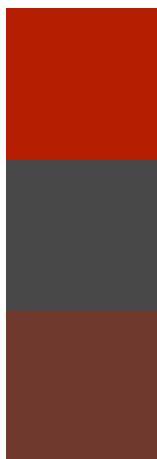
Deuteranomaly

9.7970, 0.5426, 0.4073

Tritanomaly

10.7430, 0.6141, 0.3367

Monochromacy



Original Color

10.7523, 0.6233, 0.3433

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.5683, 0.4643, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7523, 0.6233, 0.3433 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, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 30, 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, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 30, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7523, 0.6233, 0.3433 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, 30, 0) }
```

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

```
.border{ border-color:rgb(181, 30, 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, 30, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 30, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7523, 0.6233, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 30, 0) }
```

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

```
.background{ background-color: rgb(181, 30,  
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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