

Converting Colors

$Y_{xy}(13.2615, 0.6237, 0.3430)$

Have a look what the booklet for
Yxy(13.2615, 0.6237, 0.3430)
contains.

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Color

Yxy(13.2862, 0.6233, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	C72200
RGB	199, 34, 0
RGB Percent	78%, 13%, 0%
CMY	0.2197, 0.8665, 1.0000
CMYK	0.00, 0.83, 1.00, 0.22
HSL	10°, 100%, 39%
HSV	10°, 100%, 78%
XYZ	24.1226, 13.2862, 1.2926
YIQ	79.4590, 109.2540, 24.4060

Conversions

Conversions Part 2

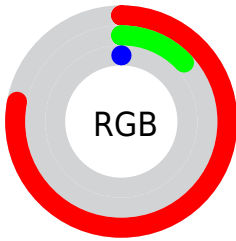
Format	Color
R_{YB}	199, 41, 0
Decimal	13050368
CIE _{Lab}	43.19, 61.43, 56.43
CIE _{LCh}	43, 83.415, 42.570
Yxy	13.2862, 0.6233, 0.3433
Android (android.graphics.Color)	4291240448 (0xFFC72200)
YUV	79.4590, -39.1733, 104.8375
Hunter-Lab	36.4502, 54.3426, 23.4126

Details

The Yxy color **13.2862, 0.6233, 0.3433** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **31.0107, 0.2092, 0.2732**, and the grayscale version is **7.9779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0757, 0.5556, 0.3618**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2871, 0.6233, 0.3433**, and if you desaturate by 10%, it is **14.5182, 0.5984, 0.3498**.

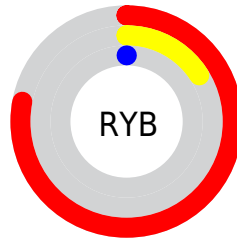
Distribution



Red (78%)

Green (13%)

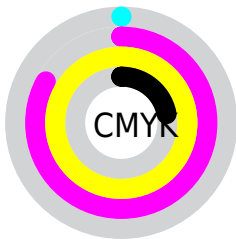
Blue (0%)



Red (78%)

Yellow (16%)

Blue (0%)

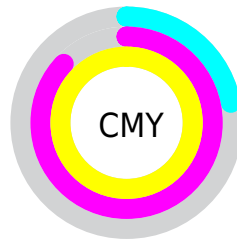


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (87%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2862, 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 13.2862, 0.6233, 0.3433 by changing the saturation by 10% instead.


 13.2862, 0.6233,
0.3433


 13.2862, 0.6233,
0.3433


 212.7438, 0.4515,
0.3613


 7.6259, 0.6693,
0.3283


 31.8170, 0.5614,
0.3595


 3.8565, 0.7068,
0.2932

 45.4563, 0.5374,
0.3624


 1.5936, 0.7580,
0.2420

 62.5241, 0.5172,
0.3637

 0.3533, 0.8657,
0.1343

 83.4047, 0.4999,
0.3640


 0.0000, 1.0000,
0.0000


 108.4826, 0.4851,
0.3637

 0.0000, 0.0000,
0.0000

 138.1422, 0.4724,


0.3631


 172.7678, 0.4613,
0.3622

 13.2862, 0.6233,
0.3433

 13.2862, 0.6233,
0.3433


 13.2871, 0.6233,
0.3433

 14.5182, 0.5984,
0.3498

 16.3107, 0.5636,
0.3544

 18.7312, 0.5224,
0.3560

 21.8323, 0.4800,
0.3548

 25.6610, 0.4403,
0.3516

■ 30.2597, 0.4051,
0.3474

■ 35.6678, 0.3752,
0.3427

■ 41.9220, 0.3503,
0.3379

■ 49.0564, 0.3297,
0.3333

Harmonies

Analogous

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



13.2862, 0.5761, 0.2641



13.2862, 0.6233, 0.3433



13.2862, 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.



13.2862, 0.6233, 0.3433



13.2862, 0.1741, 0.5623



13.2862, 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.



13.2862, 0.6233, 0.3433



31.0107, 0.2092, 0.2732

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.



13.2862, 0.0890, 0.1276



13.2862, 0.6233, 0.3433



13.2862, 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.



13.2862, 0.6233, 0.3433



13.2862, 0.2959, 0.6589



13.2862, 0.0757, 0.1820



13.2862, 0.2402, 0.1388

Rectangle

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



13.2862, 0.6233, 0.3433



13.2862, 0.4762, 0.5238



13.2862, 0.0757, 0.1820



13.2862, 0.1165, 0.1174

Sweetspot

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



13.2871, 0.6233, 0.3433



62.0139, 0.3764, 0.3429



14.8869, 0.3684, 0.1803



12.3742, 0.3887, 0.3449



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



13.2871, 0.6233, 0.3433



23.0341, 0.6252, 0.3418



28.8217, 0.4937, 0.4462



10.9254, 0.3285, 0.3330



8.6346, 0.6214, 0.3448



0.5023, 0.5840, 0.3745

Inverse Universe

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



31.0107, 0.2092, 0.2732



53.9911, 0.2090, 0.2723



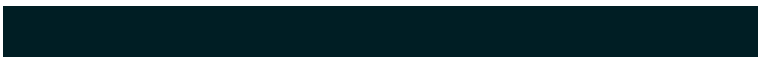
8.0578, 0.1631, 0.1071



11.7467, 0.2984, 0.3249



20.0563, 0.2095, 0.2740



1.0335, 0.2130, 0.2867

Previews

White Background



This preview shows how the Yxy color 13.2862, 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



This preview shows how the Yxy color 13.2862, 0.6233, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

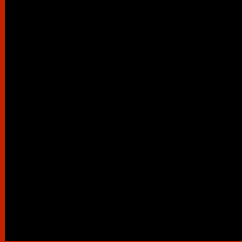
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2862, 0.6233, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 13.2862, 0.6233, 0.3433.



This preview shows how white text looks on a background with the Yxy color 13.2862, 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

13.2862, 0.6233, 0.3433

Protanopia

13.6796, 0.4269, 0.4741

Deuteranopia

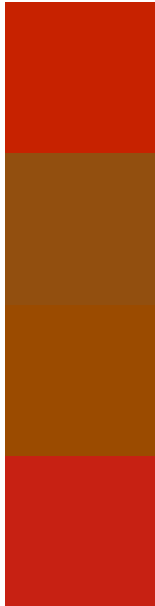
13.4812, 0.4690, 0.4658



Tritanopia

13.2689, 0.6064, 0.3310

Trichromacy



Original Color

13.2862, 0.6233, 0.3433

Protanomaly

11.7374, 0.5186, 0.4131

Deuteranomaly

12.0007, 0.5434, 0.4067

Tritanomaly

13.2768, 0.6147, 0.3370

Monochromacy



Original Color

13.2862, 0.6233, 0.3433

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.9963, 0.4671, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2862, 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(199, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 34, 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(199, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 34, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2862, 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(199, 34, 0) }
```

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

```
.border{ border-color:rgb(199, 34, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 34, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 34, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 34, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 34, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2862, 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(199, 34, 0) }
```

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

```
.background{ background-color: rgb(199, 34,  
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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