

Converting Colors

$Y_{xy}(13.3703, 0.6219, 0.3444)$

Have a look what the booklet for
Yxy(13.3703, 0.6219, 0.3444)
contains.

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Color

Yxy(13.4039, 0.6217, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	C72400
RGB	199, 36, 0
RGB Percent	78%, 14%, 0%
CMY	0.2196, 0.8587, 1.0000
CMYK	0.00, 0.82, 1.00, 0.22
HSL	11°, 100%, 39%
HSV	11°, 100%, 78%
XYZ	24.1823, 13.4039, 1.3108
YIQ	80.6330, 108.7040, 23.3600

Conversions

Conversions Part 2

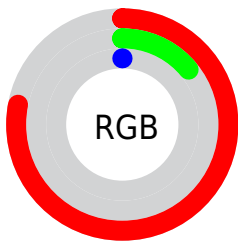
Format	Color
R_{YB}	199, 44, 0
Decimal	13050880
CIE Lab	43.37, 60.94, 56.52
CIE LCh	43, 83.114, 42.843
Yxy	13.4039, 0.6217, 0.3446
Android (android.graphics.Color)	4291240960 (0xFFC72400)
YUV	80.6330, -39.7521, 103.8079
Hunter-Lab	36.6113, 53.8317, 23.5051

Details

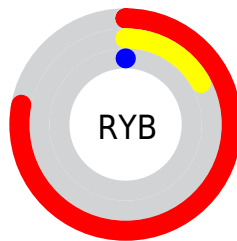
The Yxy color **13.4039, 0.6217, 0.3446** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.3017, 0.2083, 0.2697**, and the grayscale version is **8.2197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2617, 0.5547, 0.3627**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.4049, 0.6217, 0.3446**, and if you desaturate by 10%, it is **14.6768, 0.5965, 0.3513**.

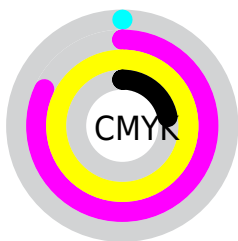
Distribution



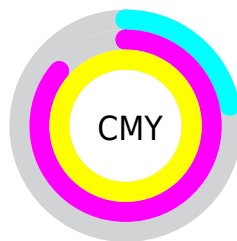
- Red (78%)
- Green (14%)
- Blue (0%)



- Red (78%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (100%)
- Black (22%)





- Cyan (22%)
- Magenta (86%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4039, 0.6217, 0.3446 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 13.4039, 0.6217, 0.3446 by changing the saturation by 10% instead.


 13.4039, 0.6217,
0.3446

 13.4039, 0.6217,
0.3446


 213.4902, 0.4510,
0.3617


 7.7073, 0.6672,
0.3298


 32.0275, 0.5602,
0.3604

 3.9082, 0.7047,
0.2953

 45.7233, 0.5364,
0.3632


 1.6223, 0.7555,
0.2445

 62.8542, 0.5162,
0.3644

 0.3726, 0.8601,
0.1399

 83.8047, 0.4991,
0.3646

 0.0000, 1.0000,
0.0000


 108.9592, 0.4844,
0.3642


 0.0000, 0.0000,
0.0000


 138.7020, 0.4717,


0.3636


 173.4175, 0.4606,
0.3627


 13.4039, 0.6217,
0.3446


 13.4039, 0.6217,
0.3446


 13.4049, 0.6217,
0.3446

 14.6768, 0.5965,
0.3513

 16.5033, 0.5618,
0.3561

 18.9488, 0.5209,
0.3576

 22.0640, 0.4789,
0.3563

 25.8939, 0.4395,
0.3529

■ 30.4799, 0.4047,
0.3484

■ 35.8598, 0.3750,
0.3434

■ 42.0691, 0.3502,
0.3384

■ 49.1410, 0.3297,
0.3335

Harmonies

Analogous

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



13.4039, 0.5757, 0.2653



13.4039, 0.6217, 0.3446



13.4039, 0.5557, 0.4443

Triad

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



13.4039, 0.6217, 0.3446



13.4039, 0.1741, 0.5585



13.4039, 0.1389, 0.1186

Complementary

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



13.4039, 0.6217, 0.3446



30.3017, 0.2083, 0.2697

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.



13.4039, 0.0901, 0.1282



13.4039, 0.6217, 0.3446



13.4039, 0.0980, 0.3232

Square

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



13.4039, 0.6217, 0.3446



13.4039, 0.2954, 0.6572



13.4039, 0.0765, 0.1821



13.4039, 0.2419, 0.1398

Rectangle

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



13.4039, 0.6217, 0.3446



13.4039, 0.4751, 0.5249



13.4039, 0.0765, 0.1821



13.4039, 0.1178, 0.1181

Sweetspot

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



13.4049, 0.6217, 0.3446



62.3492, 0.3762, 0.3437



14.8877, 0.3684, 0.1803



12.4512, 0.3884, 0.3458



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.



13.4049, 0.6217, 0.3446



23.2280, 0.6236, 0.3431



28.8233, 0.4937, 0.4462



10.9424, 0.3285, 0.3333



8.7138, 0.6197, 0.3462



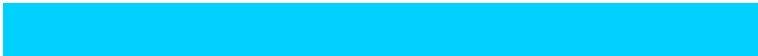
0.5100, 0.5813, 0.3766

Inverse Universe

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



30.3017, 0.2083, 0.2697



52.7332, 0.2080, 0.2688



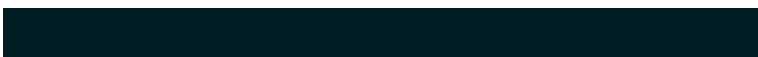
8.0583, 0.1631, 0.1071



11.7282, 0.2984, 0.3247



19.6039, 0.2085, 0.2706



1.0158, 0.2122, 0.2841

Previews

White Background



This preview shows how the Yxy color 13.4039, 0.6217, 0.3446 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 13.4039, 0.6217, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 13.4039, 0.6217, 0.3446.



This preview shows how white text looks on a background with the Yxy color 13.4039, 0.6217, 0.3446.

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

13.4039, 0.6217, 0.3446

Protanopia

13.7485, 0.4284, 0.4731

Deuteranopia

13.7490, 0.4686, 0.4661



Tritanopia

13.3960, 0.6020, 0.3305

Trichromacy



Original Color

13.4039, 0.6217, 0.3446

Protanomaly

11.8295, 0.5198, 0.4123

Deuteranomaly

12.2368, 0.5425, 0.4074

Tritanomaly

13.3983, 0.6118, 0.3375

Monochromacy



Original Color

13.4039, 0.6217, 0.3446

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.3136, 0.4621, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4039, 0.6217, 0.3446 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, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 36, 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, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 36, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4039, 0.6217, 0.3446 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, 36, 0) }
```

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

```
.border{ border-color:rgb(199, 36, 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, 36, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 36, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4039, 0.6217, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 36, 0) }
```

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

```
.background{ background-color: rgb(199, 36,  
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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