

Converting Colors

$Y_{xy}(13.2610, 0.6340, 0.3348)$

Have a look what the booklet for
Yxy(13.2610, 0.6340, 0.3348)
contains.

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Color

Yxy(13.2700, 0.6339, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	CC1200
RGB	204, 18, 0
RGB Percent	80%, 7%, 0%
CMY	0.2000, 0.9292, 1.0000
CMYK	0.00, 0.91, 1.00, 0.20
HSL	5°, 100%, 40%
HSV	5°, 100%, 80%
XYZ	25.1175, 13.2700, 1.2363
YIQ	71.5620, 116.6340, 33.8340

Conversions

Conversions Part 2

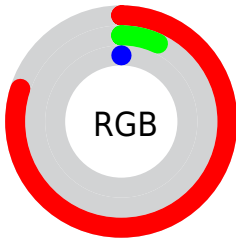
Format	Color
RYB	204, 20, 0
Decimal	13373952
CIELab	43.17, 65.83, 57.06
CIElCh	43, 87.117, 40.919
Yxy	13.2700, 0.6339, 0.3349
Android (android.graphics.Color)	4291564032 (0xFFCC1200)
YUV	71.5620, -35.2801, 116.1481
Hunter-Lab	36.4280, 59.3287, 23.4875

Details

The Yxy color **13.2700, 0.6339, 0.3349** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **39.4581, 0.2169, 0.3009**, and the grayscale version is **6.4522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8294, 0.5629, 0.3564**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2709, 0.6339, 0.3349**, and if you desaturate by 10%, it is **14.1896, 0.6124, 0.3384**.

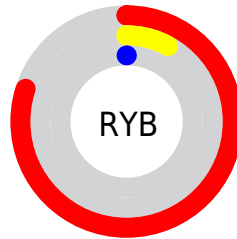
Distribution



Red (80%)

Green (7%)

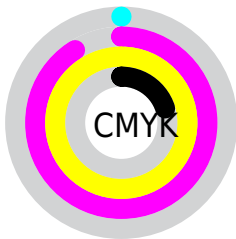
Blue (0%)



Red (80%)

Yellow (8%)

Blue (0%)

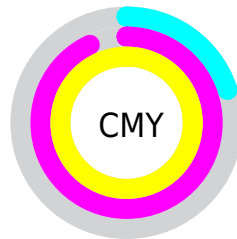


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (93%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2700, 0.6339, 0.3349 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 13.2700, 0.6339, 0.3349 by changing the saturation by 10% instead.


 13.2700, 0.6339,
0.3349


 13.2700, 0.6339,
0.3349


 212.6409, 0.4570,
0.3589


 7.6147, 0.6813,
0.3184


 31.7880, 0.5705,
0.3536


 3.8494, 0.7185,
0.2815


 45.4195, 0.5458,
0.3574


 1.5897, 0.7707,
0.2293

 62.4786, 0.5249,
0.3594

 0.3506, 0.8764,
0.1236

 83.3496, 0.5071,
0.3602

 0.0000, 1.0000,
0.0000

 108.4169, 0.4918,
0.3604


 0.0000, 0.0000,
0.0000


 138.0650, 0.4786,


0.3601

 172.6782, 0.4671,
0.3596


 13.2700, 0.6339,
0.3349


 13.2700, 0.6339,
0.3349

 13.2709, 0.6339,
0.3349

 14.1896, 0.6124,
0.3384

 15.7503, 0.5781,
0.3414

 18.0508, 0.5351,
0.3427

 21.1681, 0.4896,
0.3423

 25.1694, 0.4467,
0.3408

■ 30.1151, 0.4090,
0.3387

■ 36.0600, 0.3773,
0.3362

■ 43.0548, 0.3512,
0.3337

■ 51.1470, 0.3299,
0.3313

Harmonies

Analogous

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



13.2700, 0.5797, 0.2561



13.2700, 0.6339, 0.3349



13.2700, 0.5663, 0.4337

Triad

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



13.2700, 0.6339, 0.3349



13.2700, 0.1733, 0.5872



13.2700, 0.1287, 0.1122

Complementary

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



13.2700, 0.6339, 0.3349



39.4581, 0.2169, 0.3009

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.



13.2700, 0.0823, 0.1236



13.2700, 0.6339, 0.3349



13.2700, 0.0934, 0.3349

Square

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



13.2700, 0.6339, 0.3349



13.2700, 0.2984, 0.6712



13.2700, 0.0704, 0.1813



13.2700, 0.2294, 0.1317

Rectangle

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



13.2700, 0.6339, 0.3349



13.2700, 0.4832, 0.5168



13.2700, 0.0704, 0.1813



13.2700, 0.1085, 0.1123

Sweetspot

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



13.2709, 0.6339, 0.3349



59.3038, 0.3784, 0.3363



16.4247, 0.3432, 0.1664



11.7550, 0.3913, 0.3374



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.



13.2709, 0.6339, 0.3349



21.8552, 0.6349, 0.3341



26.0302, 0.5173, 0.4275



11.3705, 0.3288, 0.3311



8.4121, 0.6326, 0.3359



0.4903, 0.6100, 0.3538

Inverse Universe

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



39.4581, 0.2169, 0.3009



65.1848, 0.2168, 0.3005



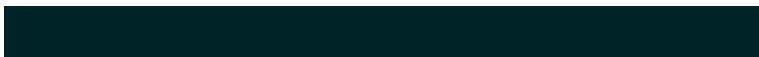
10.8563, 0.1695, 0.1300



12.5507, 0.2983, 0.3269



24.9062, 0.2170, 0.3013



1.3358, 0.2187, 0.3071

Previews

White Background



This preview shows how the Yxy color 13.2700, 0.6339, 0.3349 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 13.2700, 0.6339, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 13.2700, 0.6339, 0.3349.



This preview shows how white text looks on a background with the Yxy color 13.2700, 0.6339, 0.3349.

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

13.2700, 0.6339, 0.3349

Protanopia

13.6882, 0.4255, 0.4721

Deuteranopia

13.5607, 0.4704, 0.4647



Tritanopia

13.2766, 0.6326, 0.3341

Trichromacy



Original Color

13.2700, 0.6339, 0.3349

Protanomaly

11.1015, 0.5306, 0.4008

Deuteranomaly

11.5253, 0.5572, 0.3957

Tritanomaly

13.2744, 0.6330, 0.3344

Monochromacy



Original Color

13.2700, 0.6339, 0.3349

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.6463, 0.4859, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2700, 0.6339, 0.3349 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(204, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 18, 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(204, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 18, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2700, 0.6339, 0.3349 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(204, 18, 0) }
```

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

```
.border{ border-color:rgb(204, 18, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 18, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 18, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2700, 0.6339, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 18, 0) }
```

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

```
.background{ background-color: rgb(204, 18,  
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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