

Converting Colors

$Y_{xy}(13.2448, 0.6240, 0.3428)$

Have a look what the booklet for
Yxy(13.2448, 0.6240, 0.3428)
contains.

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Color

Yxy(13.2298, 0.6241, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	C72100
RGB	199, 33, 0
RGB Percent	78%, 13%, 0%
CMY	0.2196, 0.8707, 0.9997
CMYK	0.00, 0.83, 1.00, 0.22
HSL	10°, 100%, 39%
HSV	10°, 100%, 78%
XYZ	24.1002, 13.2298, 1.2859
YIQ	78.8720, 109.5290, 24.9290

Conversions

Conversions Part 2

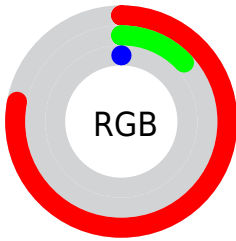
Format	Color
R_{YB}	199, 40, 0
Decimal	13050112
CIE Lab	43.11, 61.69, 56.36
CIE LCh	43, 83.565, 42.414
Yxy	13.2298, 0.6241, 0.3426
Android (android.graphics.Color)	4291240192 (0xFFC72100)
YUV	78.8720, -38.8839, 105.3523
Hunter-Lab	36.3728, 54.6195, 23.3648

Details

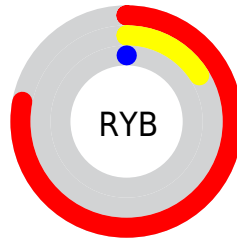
The Yxy color **13.2298, 0.6241, 0.3426** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **31.4423, 0.2098, 0.2752**, and the grayscale version is **7.8533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8921, 0.5566, 0.3610**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2263, 0.6242, 0.3426**, and if you desaturate by 10%, it is **14.4406, 0.5994, 0.3489**.

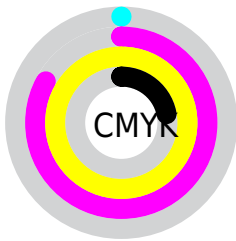
Distribution



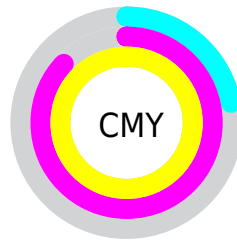
- Red (78%)
- Green (13%)
- Blue (0%)



- 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 13.2298, 0.6241, 0.3426 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 13.2298, 0.6241, 0.3426 by changing the saturation by 10% instead.


 13.2298, 0.6241,
0.3426


 13.2298, 0.6241,
0.3426


 212.3852, 0.4518,
0.3611


 7.5870, 0.6704,
0.3274


 31.7160, 0.5620,
0.3590


 3.8318, 0.7078,
0.2922

 45.3282, 0.5380,
0.3620

 1.5799, 0.7593,
0.2407

 62.3656, 0.5176,
0.3633

 0.3440, 0.8685,
0.1315

 83.2127, 0.5003,
0.3637

 0.0000, 1.0000,
0.0000


 108.2538, 0.4855,
0.3634


 0.0000, 0.0000,
0.0000


 137.8733, 0.4727,


0.3628


 172.4557, 0.4616,
0.3620

 13.2298, 0.6241,
0.3426

 13.2298, 0.6241,
0.3426

 13.2263, 0.6242,
0.3426

 14.4406, 0.5994,
0.3489

 16.2163, 0.5645,
0.3535

 18.6256, 0.5231,
0.3550

 21.7225, 0.4805,
0.3539

 25.5546, 0.4405,
0.3508

■ 30.1655, 0.4053,
0.3468

■ 35.5953, 0.3752,
0.3422

■ 41.8812, 0.3502,
0.3376

■ 49.0582, 0.3296,
0.3331

Harmonies

Analogous

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



13.2298, 0.5763, 0.2634



13.2298, 0.6241, 0.3426



13.2298, 0.5579, 0.4421

Triad

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



13.2298, 0.6241, 0.3426



13.2298, 0.1742, 0.5643



13.2298, 0.1368, 0.1173

Complementary

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



13.2298, 0.6241, 0.3426



31.4423, 0.2098, 0.2752

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.



13.2298, 0.0885, 0.1273



13.2298, 0.6241, 0.3426



13.2298, 0.0972, 0.3257

Square

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



13.2298, 0.6241, 0.3426



13.2298, 0.2962, 0.6598



13.2298, 0.0753, 0.1821



13.2298, 0.2392, 0.1382

Rectangle

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



13.2298, 0.6241, 0.3426



13.2298, 0.4769, 0.5231



13.2298, 0.0753, 0.1821



13.2298, 0.1159, 0.1170

Sweetspot

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



13.2306, 0.6241, 0.3426



61.8207, 0.3766, 0.3424



15.0170, 0.3631, 0.1774



12.3299, 0.3889, 0.3444



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.



13.2306, 0.6241, 0.3426



22.9273, 0.6260, 0.3411



27.9475, 0.4982, 0.4426



10.9156, 0.3285, 0.3329



8.5907, 0.6223, 0.3441



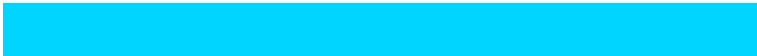
0.4978, 0.5856, 0.3732

Inverse Universe

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



31.4423, 0.2098, 0.2752



54.7278, 0.2095, 0.2743



8.4692, 0.1643, 0.1115



11.7575, 0.2984, 0.3251



20.3211, 0.2100, 0.2760



1.0439, 0.2134, 0.2881

Previews

White Background



This preview shows how the Yxy color 13.2298, 0.6241, 0.3426 looks on a white background.

Color Contrast Check

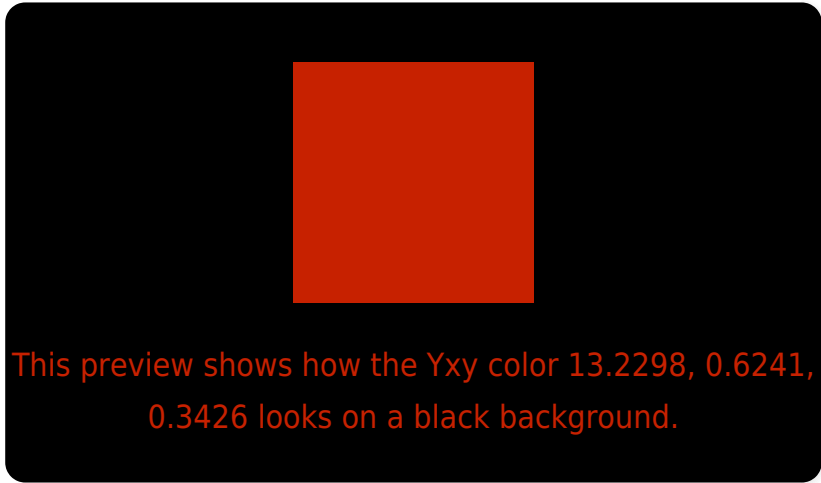
Large Text (above 18pt) WCAG AA ✓ Pass

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

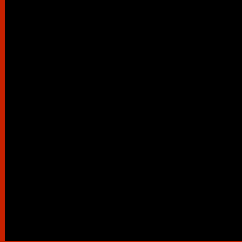
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2298, 0.6241, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 13.2298, 0.6241, 0.3426.



This preview shows how white text looks on a background with the Yxy color 13.2298, 0.6241, 0.3426.

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

13.2298, 0.6241, 0.3426

Protanopia

13.4794, 0.4284, 0.4726

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.2108, 0.6080, 0.3310

Trichromacy



Original Color

13.2298, 0.6241, 0.3426

Protanomaly

11.5943, 0.5205, 0.4115

Deuteranomaly

11.8661, 0.5453, 0.4052

Tritanomaly

13.2188, 0.6161, 0.3368

Monochromacy



Original Color

13.2298, 0.6241, 0.3426

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.8865, 0.4685, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2298, 0.6241, 0.3426 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, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 33, 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, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 33, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2298, 0.6241, 0.3426 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, 33, 0) }
```

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

```
.border{ border-color:rgb(199, 33, 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, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 33, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2298, 0.6241, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 33, 0) }
```

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

```
.background{ background-color: rgb(199, 33,  
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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