

Converting Colors

$Y_{xy}(13.2366, 0.6341, 0.3343)$

Have a look what the booklet for
Yxy(13.2366, 0.6341, 0.3343)
contains.

Yxy(13.2405, 0.6339, 0.3343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2405, 0.6339, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	CC1101
RGB	204, 17, 1
RGB Percent	80%, 7%, 0%
CMY	0.2000, 0.9331, 0.9963
CMYK	0.00, 0.92, 1.00, 0.20
HSL	5°, 99%, 40%
HSV	5°, 100%, 80%
XYZ	25.1066, 13.2405, 1.2595
YIQ	71.0890, 116.5880, 34.6680

Conversions

Conversions Part 2

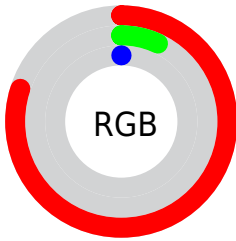
Format	Color
RYB	204, 18, 1
Decimal	13373697
CIELab	43.12, 65.97, 56.71
CIELCh	43, 86.993, 40.680
Yxy	13.2405, 0.6339, 0.3343
Android (android.graphics.Color)	4291563777 (0xFFCC1101)
YUV	71.0890, -34.5539, 116.5629
Hunter-Lab	36.3875, 59.4833, 23.4190

Details

The Yxy color **13.2405, 0.6339, 0.3343** 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 **40.2820, 0.2178, 0.3040**, and the grayscale version is **6.3662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8387, 0.5621, 0.3558**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2128, 0.6347, 0.3343**, and if you desaturate by 10%, it is **14.1440, 0.6123, 0.3375**.

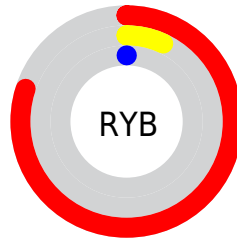
Distribution



Red (80%)

Green (7%)

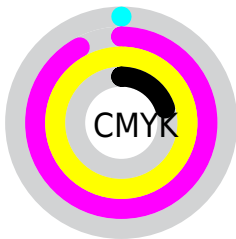
Blue (0%)



Red (80%)

Yellow (7%)

Blue (0%)

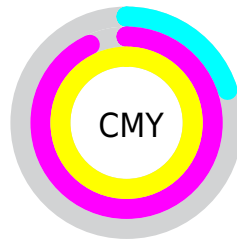


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (93%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2405, 0.6339, 0.3343 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 13.2405, 0.6339, 0.3343 by changing the saturation by 10% instead.


 13.2405, 0.6339,
0.3343


 13.2405, 0.6339,
0.3343


 212.4533, 0.4567,
0.3584

 7.5944, 0.6812,
0.3176


 31.7352, 0.5703,
0.3530


 3.8365, 0.7190,
0.2810

 45.3525, 0.5456,
0.3568

 1.5825, 0.7714,
0.2286

 62.3957, 0.5246,
0.3588

 0.3458, 0.8779,
0.1221

 83.2491, 0.5068,
0.3597


 0.0000, 1.0000,
0.0000


 108.2972, 0.4915,
0.3598


 0.0000, 0.0000,
0.0000

 137.9244, 0.4783,

0.3596

 172.5149, 0.4668,
0.3591

 13.2405, 0.6339,
0.3343


 13.2405, 0.6339,
0.3343


 13.2128, 0.6347,
0.3343

 14.1440, 0.6123,
0.3375

 15.6982, 0.5777,
0.3401

 18.0036, 0.5342,
0.3413

 21.1395, 0.4885,
0.3410

 25.1749, 0.4455,
0.3396

■ 30.1717, 0.4078,
0.3376

■ 36.1862, 0.3762,
0.3354

■ 43.2705, 0.3502,
0.3331

■ 51.4730, 0.3291,
0.3309

Harmonies

Analogous

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



13.2405, 0.5785, 0.2555



13.2405, 0.6339, 0.3343



13.2405, 0.5671, 0.4329

Triad

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



13.2405, 0.6339, 0.3343



13.2405, 0.1743, 0.5888



13.2405, 0.1282, 0.1122

Complementary

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



13.2405, 0.6339, 0.3343



40.2820, 0.2178, 0.3040

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.



13.2405, 0.0822, 0.1239



13.2405, 0.6339, 0.3343



13.2405, 0.0939, 0.3367

Square

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



13.2405, 0.6339, 0.3343



13.2405, 0.2996, 0.6707



13.2405, 0.0705, 0.1821



13.2405, 0.2284, 0.1315

Rectangle

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



13.2405, 0.6339, 0.3343



13.2405, 0.4843, 0.5157



13.2405, 0.0705, 0.1821



13.2405, 0.1082, 0.1124

Sweetspot

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



13.2413, 0.6339, 0.3343



59.0128, 0.3786, 0.3356



16.5949, 0.3384, 0.1639



11.6888, 0.3916, 0.3365



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.



13.2413, 0.6339, 0.3343



21.7686, 0.6357, 0.3335



25.3309, 0.5213, 0.4239



11.3543, 0.3288, 0.3309



8.3717, 0.6335, 0.3352



0.4827, 0.6129, 0.3516

Inverse Universe

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



40.2820, 0.2178, 0.3040



66.5029, 0.2176, 0.3035



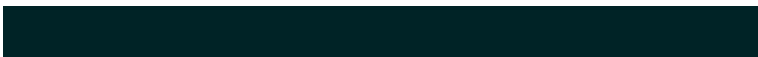
11.4991, 0.1712, 0.1360



12.5688, 0.2984, 0.3271



25.3951, 0.2178, 0.3042



1.3563, 0.2193, 0.3094

Previews

White Background



This preview shows how the Yxy color 13.2405, 0.6339, 0.3343 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 13.2405, 0.6339, 0.3343 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 13.2405, 0.6339, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 13.2405, 0.6339, 0.3343.



This preview shows how white text looks on a background with the Yxy color 13.2405, 0.6339, 0.3343.

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

13.2405, 0.6339, 0.3343

Protanopia

13.6882, 0.4255, 0.4721

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.2700, 0.6339, 0.3349

Trichromacy



Original Color

13.2405, 0.6339, 0.3343

Protanomaly

10.9711, 0.5324, 0.3993

Deuteranomaly

11.4243, 0.5564, 0.3964

Tritanomaly

13.2700, 0.6339, 0.3349

Monochromacy



Original Color

13.2405, 0.6339, 0.3343

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.4868, 0.4856, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2405, 0.6339, 0.3343 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, 17, 1)` looks like.

```
.text, #text, p{  
  color:rgb(204, 17, 1)  
}
```

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, 17, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 17, 1) }
```

Border

The CSS property to change the border of an element to Yxy 13.2405, 0.6339, 0.3343 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, 17, 1) }
```

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

```
.border{ border-color:rgb(204, 17, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 17, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 17, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 17, 1);  
box-shadow:4px 4px 4px 4px rgb(204, 17, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2405, 0.6339, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 17, 1) }
```

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

```
.background{ background-color: rgb(204, 17,  
1) }
```

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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