

Converting Colors

$Y_{xy}(13.3540, 0.6298, 0.3374)$

Have a look what the booklet for
Yxy(13.3540, 0.6298, 0.3374)
contains.

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Color

Yxy(13.3940, 0.6297, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	CB1901
RGB	203, 25, 1
RGB Percent	80%, 10%, 0%
CMY	0.2039, 0.9019, 0.9961
CMYK	0.00, 0.88, 1.00, 0.20
HSL	7°, 99%, 40%
HSV	7°, 100%, 80%
XYZ	24.9828, 13.3940, 1.2973
YIQ	75.4860, 113.7920, 30.2720

Conversions

Conversions Part 2

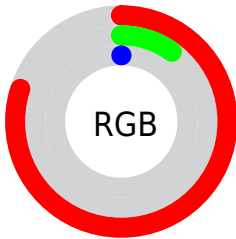
Format	Color
RYB	203, 28, 1
Decimal	13310209
CIELab	43.35, 64.46, 56.65
CIElCh	43, 85.817, 41.309
Yxy	13.3940, 0.6297, 0.3376
Android (android.graphics.Color)	4291500289 (0xFFCB1901)
YUV	75.4860, -36.7216, 111.8298
Hunter-Lab	36.5978, 57.8036, 23.5167

Details

The Yxy color **13.3940, 0.6297, 0.3376** 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 **36.5598, 0.2143, 0.2910**, and the grayscale version is **7.1820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3550, 0.5594, 0.3584**, and **5.4033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.3554, 0.6306, 0.3375**, and if you desaturate by 10%, it is **14.4725, 0.6063, 0.3424**.

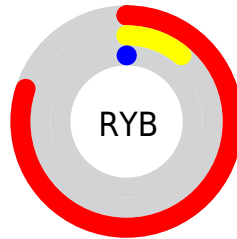
Distribution



Red (80%)

Green (10%)

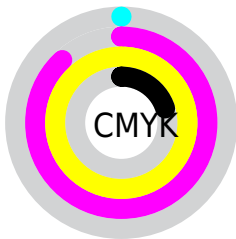
Blue (0%)



Red (80%)

Yellow (11%)

Blue (0%)

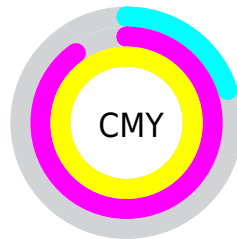


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (90%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3940, 0.6297, 0.3376 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 13.3940, 0.6297, 0.3376 by changing the saturation by 10% instead.


 13.3940, 0.6297,
0.3376

 13.3940, 0.6297,
0.3376


 213.4276, 0.4549,
0.3594


 7.7004, 0.6760,
0.3215


 32.0098, 0.5669,
0.3553


 3.9039, 0.7141,
0.2859

 45.7009, 0.5425,
0.3588


 1.6199, 0.7658,
0.2342

 62.8265, 0.5218,
0.3605

 0.3710, 0.8689,
0.1311

 83.7711, 0.5042,
0.3612

 0.0000, 1.0000,
0.0000


 108.9192, 0.4892,
0.3612


 0.0000, 0.0000,
0.0000


 138.6550, 0.4761,

0.3608


 173.3630, 0.4648,
0.3602


 13.3940, 0.6297,
0.3376

 13.3940, 0.6297,
0.3376


 13.3554, 0.6306,
0.3375

 14.4725, 0.6063,
0.3424

 16.1758, 0.5712,
0.3461

 18.5885, 0.5284,
0.3475

 21.7776, 0.4840,
0.3468

 25.8023, 0.4424,
0.3447

■ 30.7161, 0.4060,
0.3417

■ 36.5678, 0.3752,
0.3384

■ 43.4029, 0.3497,
0.3351

■ 51.2637, 0.3289,
0.3319

Harmonies

Analogous

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



13.3940, 0.5770, 0.2587



13.3940, 0.6297, 0.3376



13.3940, 0.5635, 0.4365

Triad

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



13.3940, 0.6297, 0.3376



13.3940, 0.1747, 0.5789



13.3940, 0.1316, 0.1144

Complementary

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



13.3940, 0.6297, 0.3376



36.5598, 0.2143, 0.2910

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.



13.3940, 0.0848, 0.1255



13.3940, 0.6297, 0.3376



13.3940, 0.0955, 0.3326

Square

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



13.3940, 0.6297, 0.3376



13.3940, 0.2986, 0.6657



13.3940, 0.0726, 0.1825



13.3940, 0.2326, 0.1343

Rectangle

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



13.3940, 0.6297, 0.3376



13.3940, 0.4815, 0.5185



13.3940, 0.0726, 0.1825



13.3940, 0.1113, 0.1144

Sweetspot

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



13.3949, 0.6297, 0.3376



60.2859, 0.3777, 0.3387



15.9914, 0.3527, 0.1719



11.9788, 0.3904, 0.3401



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.



13.3949, 0.6297, 0.3376



22.2038, 0.6320, 0.3364



27.5116, 0.5070, 0.4353



11.4248, 0.3287, 0.3318



8.5696, 0.6291, 0.3387



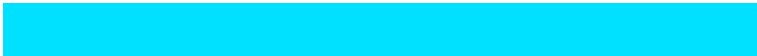
0.5155, 0.6009, 0.3611

Inverse Universe

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



36.5598, 0.2143, 0.2910



60.9088, 0.2140, 0.2903



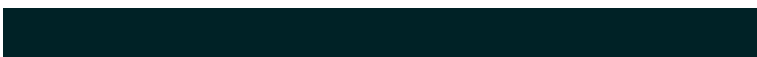
9.8296, 0.1671, 0.1213



12.4906, 0.2983, 0.3262



23.3189, 0.2143, 0.2914



1.2688, 0.2165, 0.2994

Previews

White Background



This preview shows how the Yxy color 13.3940, 0.6297, 0.3376 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

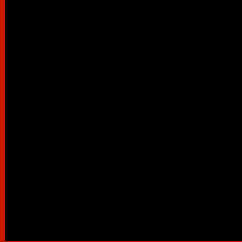
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3940, 0.6297, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 13.3940, 0.6297, 0.3376.



This preview shows how white text looks on a background with the Yxy color 13.3940, 0.6297, 0.3376.

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

13.3940, 0.6297, 0.3376

Protanopia

13.7571, 0.4271, 0.4710

Deuteranopia

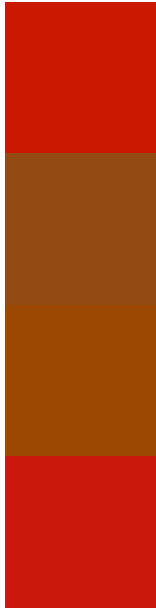
13.7490, 0.4686, 0.4661



Tritanopia

13.3968, 0.6214, 0.3320

Trichromacy



Original Color

13.3940, 0.6297, 0.3376

Protanomaly

11.3685, 0.5270, 0.4040

Deuteranomaly

11.8028, 0.5509, 0.4008

Tritanomaly

13.3763, 0.6254, 0.3343

Monochromacy



Original Color

13.3940, 0.6297, 0.3376

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.2772, 0.4779, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3940, 0.6297, 0.3376 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(203, 25, 1)` looks like.

```
.text, #text, p{  
  color:rgb(203, 25, 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(203, 25, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 25, 1) }
```

Border

The CSS property to change the border of an element to Yxy 13.3940, 0.6297, 0.3376 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(203, 25, 1) }
```

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

```
.border{ border-color:rgb(203, 25, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 25, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 25, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 25, 1);  
box-shadow:4px 4px 4px 4px rgb(203, 25, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3940, 0.6297, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 25, 1) }
```

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

```
.background{ background-color: rgb(203, 25,  
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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