

Converting Colors

$Y_{xy}(13.2583, 0.6286, 0.3236)$

Have a look what the booklet for
Yxy(13.2583, 0.6286, 0.3236)
contains.

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Color

Yxy(13.3233, 0.6286, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	CF0016
RGB	207, 0, 22
RGB Percent	81%, 0%, 9%
CMY	0.1882, 1.0000, 0.9136
CMYK	0.00, 1.00, 0.89, 0.19
HSL	354°, 100%, 41%
HSV	354°, 100%, 81%
XYZ	25.8808, 13.3233, 1.9680
YIQ	64.4010, 116.3100, 50.7260

Conversions

Conversions Part 2

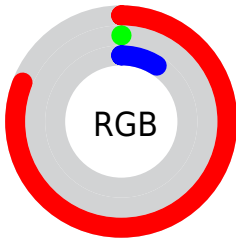
Format	Color
RYB	207, 0, 22
Decimal	13565974
CIELab	43.25, 68.71, 49.66
CIELCh	43, 84.775, 35.860
Yxy	13.3233, 0.6286, 0.3236
Android (android.graphics.Color)	4291756054 (0xFFCF0016)
YUV	64.4010, -20.9037, 125.0593
Hunter-Lab	36.5011, 62.6870, 22.3540

Details

The Yxy color **13.3233, 0.6286, 0.3236** 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 **48.1361, 0.2341, 0.3626**, and the grayscale version is **5.2106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3452, 0.5520, 0.3428**, and **5.7508, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.3259, 0.6286, 0.3236**, and if you desaturate by 10%, it is **13.9501, 0.6040, 0.3192**.

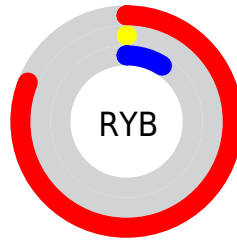
Distribution



Red (81%)

Green (0%)

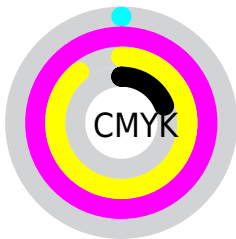
Blue (9%)



Red (81%)

Yellow (0%)

Blue (9%)

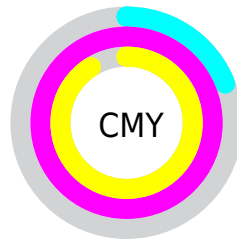


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (19%)



Cyan (19%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3233, 0.6286, 0.3236 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 13.3233, 0.6286, 0.3236 by changing the saturation by 10% instead.


 13.3233, 0.6286,
0.3236

 13.3233, 0.6286,
0.3236


212.9794, 0.4504,
0.3495


 7.6515, 0.6732,
0.3054


 31.8834, 0.5626,
0.3415


 3.8728, 0.7255,
0.2745

 45.5405, 0.5376,
0.3455


 1.6027, 0.7780,
0.2220

 62.6282, 0.5168,
0.3478

 0.3594, 0.8807,
0.1193

 83.5309, 0.4992,
0.3491


 0.0000, 1.0000,
0.0000


 108.6330, 0.4842,
0.3497


 0.0000, 0.0000,
0.0000


 138.3188, 0.4714,


0.3499


 172.9728, 0.4602,
0.3498


 13.3233, 0.6286,
0.3236


 13.3233, 0.6286,
0.3236


 13.3259, 0.6286,
0.3236

 13.9501, 0.6040,
0.3192

 15.1978, 0.5675,
0.3155

 17.2678, 0.5238,
0.3138

 20.2698, 0.4791,
0.3140

 24.2966, 0.4378,
0.3156

■ 29.4299, 0.4020,
0.3180

■ 35.7430, 0.3722,
0.3208

■ 43.3030, 0.3480,
0.3236

■ 52.1718, 0.3284,
0.3264

Harmonies

Analogous

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



13.3233, 0.5494, 0.2456



13.3233, 0.6286, 0.3236



13.3233, 0.5820, 0.4180

Triad

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



13.3233, 0.6286, 0.3236



13.3233, 0.1968, 0.6113



13.3233, 0.1211, 0.1153

Complementary

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



13.3233, 0.6286, 0.3236



48.1361, 0.2341, 0.3626

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.



13.3233, 0.0816, 0.1329



13.3233, 0.6286, 0.3236



13.3233, 0.1067, 0.3738

Square

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



13.3233, 0.6286, 0.3236



13.3233, 0.3252, 0.6546



13.3233, 0.0751, 0.2022



13.3233, 0.2100, 0.1296

Rectangle

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



13.3233, 0.6286, 0.3236



13.3233, 0.5051, 0.4949



13.3233, 0.0751, 0.2022



13.3233, 0.1036, 0.1172

Sweetspot

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



13.3259, 0.6286, 0.3236



56.8726, 0.3732, 0.3207



14.5565, 0.2914, 0.1379



11.2047, 0.3853, 0.3194



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.



13.3259, 0.6286, 0.3236



21.3398, 0.6302, 0.3245



18.9114, 0.5756, 0.3812



11.8284, 0.3274, 0.3266



8.4012, 0.6265, 0.3225



0.4768, 0.5907, 0.3028

Inverse Universe

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



13.3259, 0.6286, 0.3236



21.3398, 0.6302, 0.3245



19.8557, 0.1881, 0.1972



11.8284, 0.3274, 0.3266



8.4012, 0.6265, 0.3225



0.4768, 0.5907, 0.3028

Previews

White Background



This preview shows how the Yxy color 13.3233, 0.6286, 0.3236 looks on a white background.

Color Contrast Check

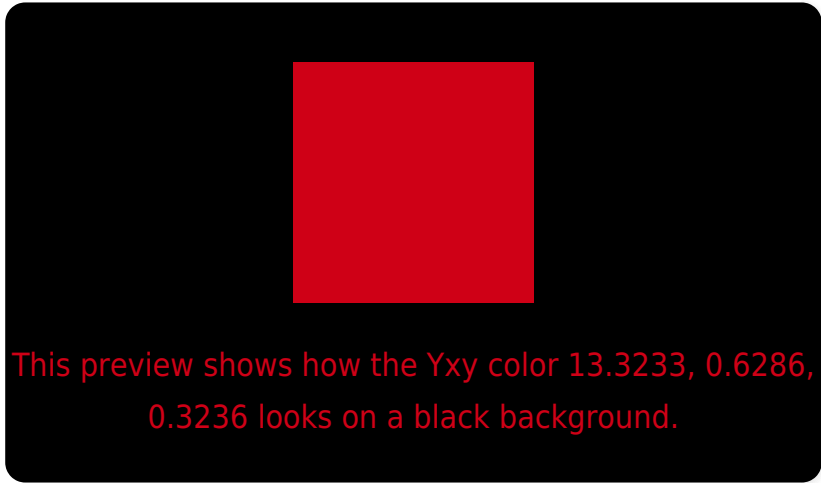
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3233, 0.6286, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 13.3233, 0.6286, 0.3236.



This preview shows how white text looks on a background with the Yxy color 13.3233, 0.6286, 0.3236.

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

13.3233, 0.6286, 0.3236

Protanopia

14.0383, 0.4139, 0.4550

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.5876, 0.6336, 0.3351

Trichromacy



Original Color

13.3233, 0.6286, 0.3236

Protanomaly

10.6081, 0.5275, 0.3766

Deuteranomaly

10.9435, 0.5645, 0.3832

Tritanomaly

13.4023, 0.6329, 0.3309

Monochromacy



Original Color

13.3233, 0.6286, 0.3236

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.5206, 0.4860, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3233, 0.6286, 0.3236 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(207, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 22)  
}
```

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(207, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 13.3233, 0.6286, 0.3236 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(207, 0, 22) }
```

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

```
.border{ border-color:rgb(207, 0, 22) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3233, 0.6286, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 22) }
```

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

```
.background{ background-color: rgb(207, 0,  
22) }
```

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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