

Converting Colors

$Y_{xy}(12.9031, 0.6268, 0.3226)$

Have a look what the booklet for
Yxy(12.9031, 0.6268, 0.3226)
contains.

Yxy(12.9033, 0.6266, 0.3226)	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(12.9033, 0.6266, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	CC0018
RGB	204, 0, 24
RGB Percent	80%, 0%, 9%
CMY	0.2001, 0.9993, 0.9060
CMYK	0.00, 1.00, 0.88, 0.20
HSL	353°, 100%, 40%
HSV	353°, 100%, 80%
XYZ	25.0626, 12.9033, 2.0319
YIQ	63.7320, 113.8800, 50.7120

Conversions

Conversions Part 2

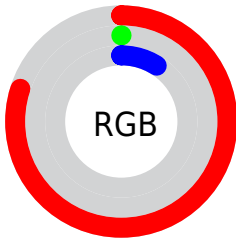
Format	Color
RYB	204, 0, 24
Decimal	13369368
CIELab	42.62, 67.97, 48.02
CIELCh	43, 83.216, 35.240
Yxy	12.9033, 0.6266, 0.3226
Android (android.graphics.Color)	4291559448 (0xFFCC0018)
YUV	63.7320, -19.5879, 123.0150
Hunter-Lab	35.9212, 61.6796, 21.7911

Details

The Yxy color **12.9033, 0.6266, 0.3226** 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 **46.4805, 0.2350, 0.3660**, and the grayscale version is **5.1160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1992, 0.5518, 0.3413**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8998, 0.6268, 0.3226**, and if you desaturate by 10%, it is **13.5223, 0.6011, 0.3178**.

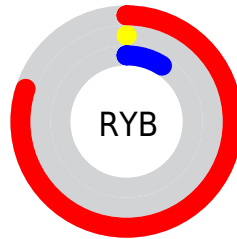
Distribution



Red (80%)

Green (0%)

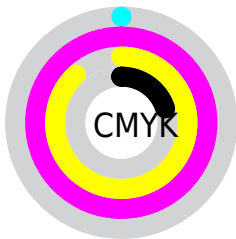
Blue (9%)



Red (80%)

Yellow (0%)

Blue (9%)

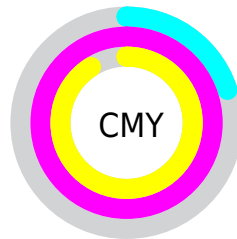


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9033, 0.6266, 0.3226 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 12.9033, 0.6266, 0.3226 by changing the saturation by 10% instead.


 12.9033, 0.6266,
0.3226


 12.9033, 0.6266,
0.3226


210.2970, 0.4481,
0.3484


 7.3620, 0.6719,
0.3043


 31.1299, 0.5598,
0.3404


 3.6895, 0.7264,
0.2736

 44.5841, 0.5348,
0.3443


 1.5014, 0.7800,
0.2200

 61.4446, 0.5140,
0.3466

 0.2897, 0.8952,
0.1048

 82.0959, 0.4965,
0.3478


 0.0000, 1.0000,
0.0000


 106.9224, 0.4816,
0.3484


 0.0000, 0.0000,
0.0000


 136.3085, 0.4688,


0.3486

 170.6386, 0.4577,
0.3486


 12.9033, 0.6266,
0.3226


 12.9033, 0.6266,
0.3226

 12.8998, 0.6268,
0.3226

 13.5223, 0.6011,
0.3178

 14.7444, 0.5642,
0.3139

 16.7614, 0.5207,
0.3122

 19.6785, 0.4765,
0.3125

 23.5848, 0.4358,
0.3143

■ 28.5588, 0.4005,
0.3169

■ 34.6710, 0.3712,
0.3200

■ 41.9857, 0.3473,
0.3231

■ 50.5627, 0.3281,
0.3262

Harmonies

Analogous

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



12.9033, 0.5446, 0.2447



12.9033, 0.6266, 0.3226



12.9033, 0.5834, 0.4166

Triad

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



12.9033, 0.6266, 0.3226



12.9033, 0.2004, 0.6122



12.9033, 0.1208, 0.1162

Complementary

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



12.9033, 0.6266, 0.3226



46.4805, 0.2350, 0.3660

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.



12.9033, 0.0820, 0.1347



12.9033, 0.6266, 0.3226



12.9033, 0.1092, 0.3785

Square

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



12.9033, 0.6266, 0.3226



12.9033, 0.3290, 0.6515



12.9033, 0.0763, 0.2055



12.9033, 0.2081, 0.1299

Rectangle

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



12.9033, 0.6266, 0.3226



12.9033, 0.5075, 0.4925



12.9033, 0.0763, 0.2055



12.9033, 0.1036, 0.1184

Sweetspot

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



12.9041, 0.6266, 0.3226



56.9065, 0.3725, 0.3198



13.6867, 0.2873, 0.1356



11.2124, 0.3844, 0.3185



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.



12.9041, 0.6266, 0.3226



21.3526, 0.6286, 0.3237



17.8536, 0.5798, 0.3777



11.2346, 0.3272, 0.3263



8.1282, 0.6245, 0.3214



0.4266, 0.5840, 0.2991

Inverse Universe

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



12.9041, 0.6266, 0.3226



21.3526, 0.6286, 0.3237



20.1262, 0.1899, 0.2035



11.2346, 0.3272, 0.3263



8.1282, 0.6245, 0.3214



0.4266, 0.5840, 0.2991

Previews

White Background



This preview shows how the Yxy color 12.9033, 0.6266, 0.3226 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 12.9033, 0.6266, 0.3226 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 12.9033, 0.6266, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 12.9033, 0.6266, 0.3226.



This preview shows how white text looks on a background with the Yxy color 12.9033, 0.6266, 0.3226.

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

12.9033, 0.6266, 0.3226

Protanopia

13.5125, 0.4113, 0.4504

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.1623, 0.6333, 0.3353

Trichromacy



Original Color

12.9033, 0.6266, 0.3226

Protanomaly

10.2208, 0.5229, 0.3742

Deuteranomaly

10.6331, 0.5640, 0.3826

Tritanomaly

12.9792, 0.6322, 0.3307

Monochromacy



Original Color

12.9033, 0.6266, 0.3226

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.4525, 0.4842, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9033, 0.6266, 0.3226 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, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 24) }
```

Border

The CSS property to change the border of an element to Yxy 12.9033, 0.6266, 0.3226 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, 0, 24) }
```

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

```
.border{ border-color:rgb(204, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9033, 0.6266, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 24) }
```

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

```
.background{ background-color: rgb(204, 0,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor