

Converting Colors

$Yxy(13.1160, 0.5878, 0.3012)$

Have a look what the booklet for
Yxy(13.1160, 0.5878, 0.3012)
contains.

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Color

Yxy(13.1132, 0.5883, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	CC0037
RGB	204, 0, 55
RGB Percent	80%, 0%, 22%
CMY	0.1999, 1.0000, 0.7842
CMYK	0.00, 1.00, 0.73, 0.20
HSL	344°, 100%, 40%
HSV	344°, 100%, 80%
XYZ	25.5955, 13.1132, 4.7989
YIQ	67.2660, 103.9290, 60.3530

Conversions

Conversions Part 2

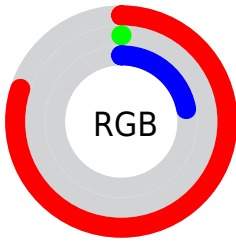
Format	Color
R_YB	204, 0, 55
Decimal	13369399
CIE Lab	42.93, 68.86, 30.96
CIE LCh	43, 75.501, 24.211
Yxy	13.1132, 0.5883, 0.3014
Android (android.graphics.Color)	4291559479 (0xFFCC0037)
YUV	67.2660, -6.0471, 119.9157
Hunter-Lab	36.2122, 62.7964, 17.4913

Details

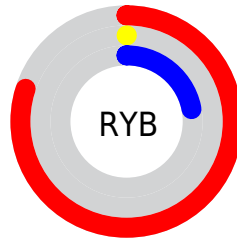
The Yxy color **13.1132, 0.5883, 0.3014** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **45.3641, 0.2499, 0.4195**, and the grayscale version is **5.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8749, 0.5132, 0.3155**, and **5.6944, 0.6254, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **13.1159, 0.5883, 0.3014**, and if you desaturate by 10%, it is **13.7957, 0.5574, 0.2928**.

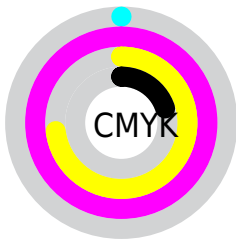
Distribution



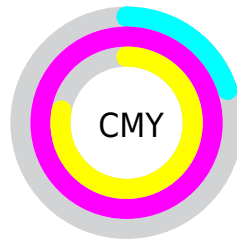
- Red (80%)
- Green (0%)
- Blue (22%)



- Red (80%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1132, 0.5883, 0.3014 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 13.1132, 0.5883, 0.3014 by changing the saturation by 10% instead.


 13.1132, 0.5883,
0.3014


 13.1132, 0.5883,
0.3014


211.6419, 0.4257,
0.3299


 7.5065, 0.6348,
0.2862


 31.5070, 0.5238,
0.3170


 3.7809, 0.6971,
0.2614


 45.0629, 0.5011,
0.3212


 1.5517, 0.7804,
0.2196

 62.0374, 0.4825,
0.3240

 0.3247, 0.8886,
0.1114

 82.8148, 0.4672,
0.3260

 0.0000, 1.0000,
0.0000

 107.7796, 0.4543,
0.3275

 0.0000, 0.0000,
0.0000

 137.3161, 0.4433,

0.3286

171.8087, 0.4339,
0.3293

■ 13.1132, 0.5883,
0.3014

■ 13.1132, 0.5883,
0.3014

■ 13.1159, 0.5883,
0.3014

■ 13.7957, 0.5574,
0.2928

■ 15.0652, 0.5213,
0.2874

■ 17.1140, 0.4832,
0.2864

■ 20.0444, 0.4465,
0.2890

■ 23.9432, 0.4135,
0.2942

■ 28.8865, 0.3850,
0.3007

■ 34.9428, 0.3612,
0.3080

■ 42.1749, 0.3417,
0.3153

■ 50.6408, 0.3257,
0.3224

Harmonies

Analogous

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



13.1132, 0.4678, 0.2262



13.1132, 0.5883, 0.3014



13.1132, 0.5900, 0.3838

Triad

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



13.1132, 0.5883, 0.3014



13.1132, 0.2577, 0.6202



13.1132, 0.1142, 0.1316

Complementary

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



13.1132, 0.5883, 0.3014



45.3641, 0.2499, 0.4195

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.



13.1132, 0.0891, 0.1661



13.1132, 0.5883, 0.3014



13.1132, 0.1513, 0.4558

Square

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



13.1132, 0.5883, 0.3014



13.1132, 0.3851, 0.5984



13.1132, 0.0972, 0.2641



13.1132, 0.1793, 0.1336

Rectangle

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



13.1132, 0.5883, 0.3014



13.1132, 0.5437, 0.4530



13.1132, 0.0972, 0.2641



13.1132, 0.1021, 0.1383

Sweetspot

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



13.1159, 0.5883, 0.3014



57.4297, 0.3621, 0.3077



10.4910, 0.2498, 0.1150



11.3327, 0.3718, 0.3046



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.



13.1159, 0.5883, 0.3014



21.6868, 0.5914, 0.3031



14.6565, 0.6155, 0.3495



11.2625, 0.3248, 0.3228



8.2672, 0.5847, 0.2995



0.4394, 0.5275, 0.2680

Inverse Universe

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



13.1159, 0.5883, 0.3014



21.6868, 0.5914, 0.3031



29.4376, 0.2048, 0.2572



11.2625, 0.3248, 0.3228



8.2672, 0.5847, 0.2995



0.4394, 0.5275, 0.2680

Previews

White Background



This preview shows how the Yxy color 13.1132, 0.5883, 0.3014 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 13.1132, 0.5883, 0.3014 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 13.1132, 0.5883, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 13.1132, 0.5883, 0.3014.



This preview shows how white text looks on a background with the Yxy color 13.1132, 0.5883, 0.3014.

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

13.1132, 0.5883, 0.3014

Protanopia

13.8248, 0.3516, 0.3767

Deuteranopia

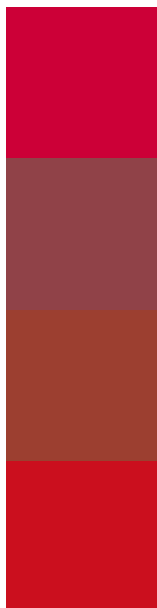
13.7727, 0.4359, 0.4298



Tritanopia

13.3467, 0.6238, 0.3326

Trichromacy



Original Color

13.1132, 0.5883, 0.3014

Protanomaly

10.2936, 0.4532, 0.3191

Deuteranomaly

10.8363, 0.5185, 0.3507

Tritanomaly

13.1319, 0.6165, 0.3234

Monochromacy



Original Color

13.1132, 0.5883, 0.3014

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.8685, 0.4477, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1132, 0.5883, 0.3014 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 55) }
```

Border

The CSS property to change the border of an element to Yxy 13.1132, 0.5883, 0.3014 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, 55) }
```

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

```
.border{ border-color:rgb(204, 0, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1132, 0.5883, 0.3014 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, 55) }
```

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

```
.background{ background-color: rgb(204, 0,  
55) }
```

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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