

Converting Colors

$Yxy(13.3015, 0.6190, 0.3255)$

Have a look what the booklet for
Yxy(13.3015, 0.6190, 0.3255)
contains.

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Color

Yxy(13.2871, 0.6191, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	CC101B
RGB	204, 16, 27
RGB Percent	80%, 6%, 11%
CMY	0.2000, 0.9374, 0.8940
CMYK	0.00, 0.92, 0.87, 0.20
HSL	356°, 85%, 43%
HSV	356°, 92%, 80%
XYZ	25.2876, 13.2871, 2.2710
YIQ	73.4660, 108.5170, 43.2770

Conversions

Conversions Part 2

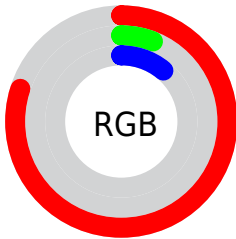
Format	Color
RYB	204, 16, 27
Decimal	13373467
CIELab	43.19, 66.44, 47.00
CIELCh	43, 81.387, 35.277
Yxy	13.2871, 0.6191, 0.3253
Android (android.graphics.Color)	4291563547 (0xFFCC101B)
YUV	73.4660, -22.9077, 114.4783
Hunter-Lab	36.4515, 60.0411, 21.8221

Details

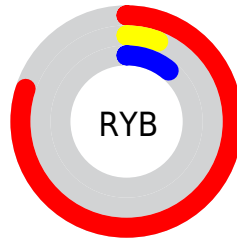
The Yxy color **13.2871, 0.6191, 0.3253** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **47.1485, 0.2303, 0.3456**, and the grayscale version is **6.7737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0534, 0.5447, 0.3433**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8654, 0.6346, 0.3269**, and if you desaturate by 10%, it is **14.3225, 0.5870, 0.3228**.

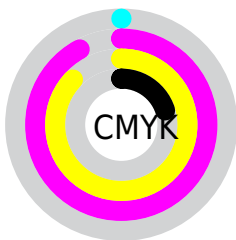
Distribution



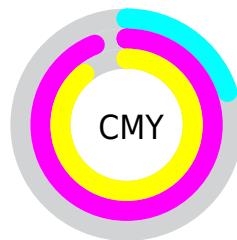
- Red (80%)
- Green (6%)
- Blue (11%)



- Red (80%)
- Yellow (6%)
- Blue (11%)



- Cyan (0%)
- Magenta (92%)
- Yellow (87%)
- Black (20%)




- Cyan (20%)
- Magenta (94%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2871, 0.6191, 0.3253 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 13.2871, 0.6191, 0.3253 by changing the saturation by 10% instead.


 13.2871, 0.6191,
0.3253


 13.2871, 0.6191,
0.3253


212.7495, 0.4447,
0.3483


 7.6265, 0.6631,
0.3080


 31.8186, 0.5535,
0.3416


 3.8569, 0.7200,
0.2800

 45.4584, 0.5291,
0.3451

 1.5939, 0.7723,
0.2277

 62.5266, 0.5088,
0.3471

 0.3535, 0.8772,
0.1228

 83.4078, 0.4917,
0.3481


 0.0000, 1.0000,
0.0000


 108.4863, 0.4772,
0.3486

 0.0000, 0.0000,
0.0000

 138.1465, 0.4648,


0.3487


 172.7728, 0.4540,
0.3486


 13.2871, 0.6191,
0.3253

 13.2871, 0.6191,
0.3253


 12.8654, 0.6346,
0.3269

 14.3225, 0.5870,
0.3228

 16.1297, 0.5444,
0.3213

 18.8216, 0.4980,
0.3210

 22.4917, 0.4536,
0.3216

 27.2219, 0.4145,
0.3227

■ 33.0853, 0.3816,
0.3242

■ 40.1487, 0.3549,
0.3257

■ 48.4737, 0.3333,
0.3273

■ 58.1174, 0.3160,
0.3287

Harmonies

Analogous

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



13.2871, 0.5381, 0.2475



13.2871, 0.6191, 0.3253



13.2871, 0.5798, 0.4190

Triad

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



13.2871, 0.6191, 0.3253



13.2871, 0.2048, 0.6014



13.2871, 0.1245, 0.1201

Complementary

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



13.2871, 0.6191, 0.3253



47.1485, 0.2303, 0.3456

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.



13.2871, 0.0859, 0.1389



13.2871, 0.6191, 0.3253



13.2871, 0.1140, 0.3776

Square

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



13.2871, 0.6191, 0.3253



13.2871, 0.3311, 0.6417



13.2871, 0.0805, 0.2093



13.2871, 0.2111, 0.1337

Rectangle

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



13.2871, 0.6191, 0.3253



13.2871, 0.5067, 0.4933



13.2871, 0.0805, 0.2093



13.2871, 0.1074, 0.1224

Sweetspot

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



13.2879, 0.6191, 0.3253



58.9973, 0.3708, 0.3248



15.8679, 0.3054, 0.1483



11.5977, 0.3833, 0.3241



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.



13.2879, 0.6191, 0.3253



21.2945, 0.6357, 0.3276



21.5101, 0.5437, 0.3989



11.2242, 0.3281, 0.3277



8.1014, 0.6330, 0.3261



0.4218, 0.6101, 0.3135

Inverse Universe

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



13.2879, 0.6191, 0.3253



21.2945, 0.6357, 0.3276



18.5191, 0.1881, 0.1921



11.2242, 0.3281, 0.3277



8.1014, 0.6330, 0.3261



0.4218, 0.6101, 0.3135

Previews

White Background



This preview shows how the Yxy color 13.2871, 0.6191, 0.3253 looks on a white background.

Color Contrast Check

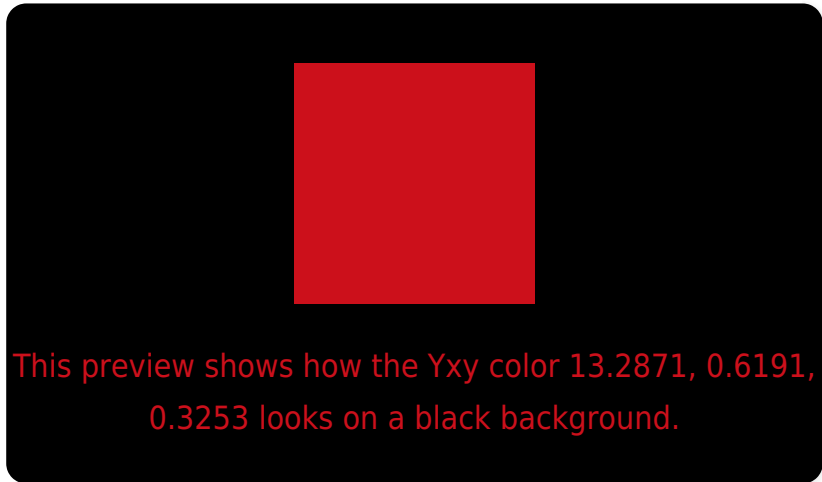
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2871, 0.6191, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 13.2871, 0.6191, 0.3253.



This preview shows how white text looks on a background with the Yxy color 13.2871, 0.6191, 0.3253.

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

13.2871, 0.6191, 0.3253

Protanopia

13.7349, 0.4069, 0.4473

Deuteranopia

13.5607, 0.4704, 0.4647



Tritanopia

13.3206, 0.6299, 0.3332

Trichromacy



Original Color

13.2871, 0.6191, 0.3253

Protanomaly

10.9777, 0.5094, 0.3804

Deuteranomaly

11.4253, 0.5539, 0.3901

Tritanomaly

13.3045, 0.6270, 0.3310

Monochromacy



Original Color

13.2871, 0.6191, 0.3253

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.8065, 0.4642, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2871, 0.6191, 0.3253 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, 16, 27)` looks like.

```
.text, #text, p{  
    color:rgb(204, 16, 27)  
}
```

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, 16, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 16, 27) }
```

Border

The CSS property to change the border of an element to Yxy 13.2871, 0.6191, 0.3253 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, 16, 27) }
```

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

```
.border{ border-color:rgb(204, 16, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 16, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 16, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 16, 27);  
box-shadow:4px 4px 4px 4px rgb(204, 16,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2871, 0.6191, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 16, 27) }
```

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

```
.background{ background-color: rgb(204, 16,  
27) }
```

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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