

Converting Colors

$Yxy(12.4663, 0.5887, 0.2897)$

Have a look what the booklet for
Yxy(12.4663, 0.5887, 0.2897)
contains.

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Color

Yxy(13.1531, 0.5817, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	CC003B
RGB	204, 0, 59
RGB Percent	80%, 0%, 23%
CMY	0.2000, 1.0000, 0.7686
CMYK	0.00, 1.00, 0.71, 0.20
HSL	343°, 100%, 40%
HSV	343°, 100%, 80%
XYZ	25.6923, 13.1531, 5.3222
YIQ	67.7220, 102.6450, 61.5970

Conversions

Conversions Part 2

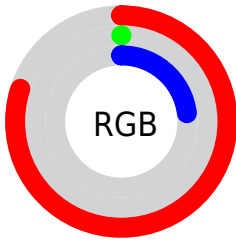
Format	Color
RYB	204, 0, 59
Decimal	13369403
CIELab	42.99, 69.01, 28.59
CIElCh	43, 74.695, 22.501
Yxy	13.1531, 0.5817, 0.2978
Android (android.graphics.Color)	4291559483 (0xFFCC003B)
YUV	67.7220, -4.2999, 119.5158
Hunter-Lab	36.2672, 62.9847, 16.6863

Details

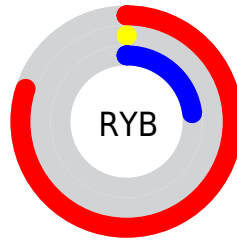
The Yxy color **13.1531, 0.5817, 0.2978** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **45.2327, 0.2518, 0.4265**, and the grayscale version is **5.7292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9562, 0.5079, 0.3118**, and **5.7064, 0.6201, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **13.1537, 0.5817, 0.2978**, and if you desaturate by 10%, it is **13.8405, 0.5508, 0.2890**.

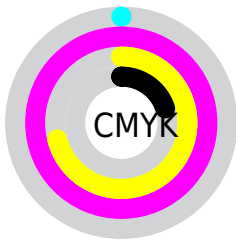
Distribution



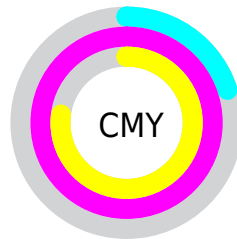
- Red (80%)
- Green (0%)
- Blue (23%)



- Red (80%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1531, 0.5817, 0.2978 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 13.1531, 0.5817, 0.2978 by changing the saturation by 10% instead.


 13.1531, 0.5817,
0.2978


 13.1531, 0.5817,
0.2978

211.8965, 0.4225,
0.3273

 7.5341, 0.6279,
0.2829


 31.5786, 0.5182,
0.3134


 3.7983, 0.6891,
0.2583

 45.1538, 0.4960,
0.3177

 1.5614, 0.7804,
0.2196

 62.1498, 0.4779,
0.3207

 0.3313, 0.8874,
0.1126

 82.9511, 0.4629,
0.3228

 0.0000, 1.0000,
0.0000

 107.9420, 0.4503,
0.3244

 0.0000, 0.0000,
0.0000

 137.5070, 0.4397,

0.3257

172.0304, 0.4305,
0.3266

■ 13.1531, 0.5817,
0.2978

■ 13.1531, 0.5817,
0.2978

■ 13.1537, 0.5817,
0.2978

■ 13.8405, 0.5508,
0.2890

■ 15.1152, 0.5153,
0.2837

■ 17.1671, 0.4782,
0.2830

■ 20.0982, 0.4426,
0.2860

■ 23.9950, 0.4106,
0.2916

■ 28.9334, 0.3830,
0.2987

■ 34.9819, 0.3599,
0.3065

■ 42.2027, 0.3409,
0.3143

■ 50.6539, 0.3254,
0.3219

Harmonies

Analogous

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



13.1531, 0.4568, 0.2233



13.1531, 0.5817, 0.2978



13.1531, 0.5906, 0.3793

Triad

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



13.1531, 0.5817, 0.2978



13.1531, 0.2659, 0.6200



13.1531, 0.1132, 0.1340

Complementary

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



13.1531, 0.5817, 0.2978



45.2327, 0.2518, 0.4265

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.



13.1531, 0.0901, 0.1712



13.1531, 0.5817, 0.2978



13.1531, 0.1579, 0.4666

Square

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



13.1531, 0.5817, 0.2978



13.1531, 0.3928, 0.5911



13.1531, 0.1005, 0.2735



13.1531, 0.1755, 0.1341

Rectangle

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



13.1531, 0.5817, 0.2978



13.1531, 0.5468, 0.4463



13.1531, 0.1005, 0.2735



13.1531, 0.1018, 0.1414

Sweetspot

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



13.1539, 0.5817, 0.2978



57.4994, 0.3608, 0.3062



10.1823, 0.2458, 0.1128



11.3489, 0.3702, 0.3028



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.



13.1539, 0.5817, 0.2978



21.7509, 0.5849, 0.2996



14.4106, 0.6186, 0.3470



11.2661, 0.3245, 0.3223



8.2928, 0.5781, 0.2958



0.4411, 0.5211, 0.2644

Inverse Universe

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



13.1539, 0.5817, 0.2978



21.7509, 0.5849, 0.2996



30.6272, 0.2064, 0.2630



11.2661, 0.3245, 0.3223



8.2928, 0.5781, 0.2958



0.4411, 0.5211, 0.2644

Previews

White Background



This preview shows how the Yxy color 13.1531, 0.5817, 0.2978 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 13.1531, 0.5817, 0.2978 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 13.1531, 0.5817, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 13.1531, 0.5817, 0.2978.



This preview shows how white text looks on a background with the Yxy color 13.1531, 0.5817, 0.2978.

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

13.1531, 0.5817, 0.2978

Protanopia

13.8564, 0.3417, 0.3637

Deuteranopia

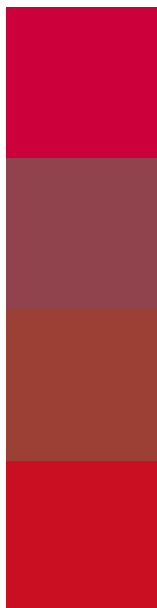
13.7346, 0.4286, 0.4229



Tritanopia

13.3968, 0.6214, 0.3320

Trichromacy



Original Color

13.1531, 0.5817, 0.2978

Protanomaly

10.3615, 0.4429, 0.3103

Deuteranomaly

10.8800, 0.5100, 0.3440

Tritanomaly

13.1537, 0.6123, 0.3210

Monochromacy



Original Color

13.1531, 0.5817, 0.2978

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.8913, 0.4422, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1531, 0.5817, 0.2978 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 59) }
```

Border

The CSS property to change the border of an element to Yxy 13.1531, 0.5817, 0.2978 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, 59) }
```

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

```
.border{ border-color:rgb(204, 0, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1531, 0.5817, 0.2978 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, 59) }
```

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

```
.background{ background-color: rgb(204, 0,  
59) }
```

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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