

Converting Colors

$Yxy(13.7582, 0.6053, 0.3108)$

Have a look what the booklet for
Yxy(13.7582, 0.6053, 0.3108)
contains.

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Color

Yxy(13.7448, 0.6051, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	D1002D
RGB	209, 0, 45
RGB Percent	82%, 0%, 18%
CMY	0.1804, 0.9999, 0.8235
CMYK	0.00, 1.00, 0.78, 0.18
HSL	347°, 100%, 41%
HSV	347°, 100%, 82%
XYZ	26.7685, 13.7448, 3.7249
YIQ	67.6210, 110.1190, 58.3030

Conversions

Conversions Part 2

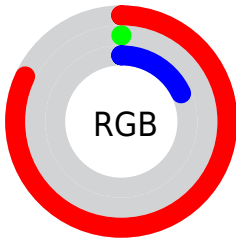
Format	Color
RYB	209, 0, 45
Decimal	13697069
CIELab	43.86, 69.70, 38.29
CIElCh	44, 79.529, 28.781
Yxy	13.7448, 0.6051, 0.3107
Android (android.graphics.Color)	4291887149 (0xFFD1002D)
YUV	67.6210, -11.1522, 123.9894
Hunter-Lab	37.0740, 64.0029, 19.9949

Details

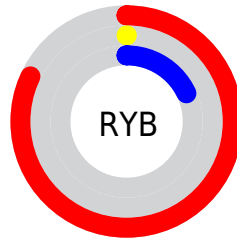
The Yxy color **13.7448, 0.6051, 0.3107** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **48.2832, 0.2445, 0.4001**, and the grayscale version is **5.7251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8317, 0.5266, 0.3262**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.7447, 0.6051, 0.3107**, and if you desaturate by 10%, it is **14.4307, 0.5752, 0.3028**.

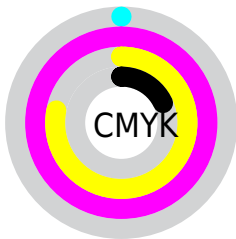
Distribution



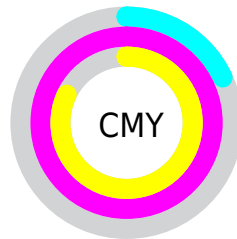
- Red (82%)
- Green (0%)
- Blue (18%)



- Red (82%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (18%)




- Cyan (18%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7448, 0.6051, 0.3107 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 13.7448, 0.6051, 0.3107 by changing the saturation by 10% instead.


 13.7448, 0.6051,
0.3107


 13.7448, 0.6051,
0.3107


215.6374, 0.4359,
0.3372


 7.9434, 0.6506,
0.2947


 32.6355, 0.5397,
0.3266


 4.0587, 0.7156,
0.2711

 46.4936, 0.5160,
0.3305


 1.7065, 0.7769,
0.2231

 63.8061, 0.4965,
0.3330

 0.4278, 0.8695,
0.1305

 84.9573, 0.4802,
0.3347

 0.0000, 1.0000,
0.0000

 110.3316, 0.4665,
0.3358

 0.0000, 0.0000,
0.0000

 140.3135, 0.4548,

0.3365

175.2873, 0.4447,
0.3369

■ 13.7448, 0.6051,
0.3107

■ 13.7448, 0.6051,
0.3107

■ 13.7447, 0.6051,
0.3107

■ 14.4307, 0.5752,
0.3028

■ 15.7470, 0.5380,
0.2974

■ 17.8931, 0.4974,
0.2958

■ 20.9788, 0.4577,
0.2974

■ 25.0969, 0.4217,
0.3013

■ 30.3290, 0.3908,
0.3064

■ 36.7486, 0.3649,
0.3122

■ 44.4227, 0.3438,
0.3181

■ 53.4135, 0.3266,
0.3237

Harmonies

Analogous

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



13.7448, 0.4982, 0.2341



13.7448, 0.6051, 0.3107



13.7448, 0.5880, 0.3966

Triad

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



13.7448, 0.6051, 0.3107



13.7448, 0.2350, 0.6190



13.7448, 0.1169, 0.1254

Complementary

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



13.7448, 0.6051, 0.3107



48.2832, 0.2445, 0.4001

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.



13.7448, 0.0863, 0.1530



13.7448, 0.6051, 0.3107



13.7448, 0.1339, 0.4254

Square

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



13.7448, 0.6051, 0.3107



13.7448, 0.3630, 0.6184



13.7448, 0.0885, 0.2395



13.7448, 0.1904, 0.1323

Rectangle

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



13.7448, 0.6051, 0.3107



13.7448, 0.5309, 0.4691



13.7448, 0.0885, 0.2395



13.7448, 0.1028, 0.1302

Sweetspot

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



13.7457, 0.6051, 0.3107



57.2385, 0.3658, 0.3120



12.4675, 0.2662, 0.1240



11.2885, 0.3763, 0.3095



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.



13.7457, 0.6051, 0.3107



21.5346, 0.6076, 0.3121



16.7084, 0.6015, 0.3606



11.8493, 0.3257, 0.3240



8.4865, 0.6018, 0.3089



0.4866, 0.5496, 0.2801

Inverse Universe

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



13.7457, 0.6051, 0.3107



21.5346, 0.6076, 0.3121



26.3507, 0.1981, 0.2333



11.8493, 0.3257, 0.3240



8.4865, 0.6018, 0.3089



0.4866, 0.5496, 0.2801

Previews

White Background



This preview shows how the Yxy color 13.7448, 0.6051, 0.3107 looks on a white background.

Color Contrast Check

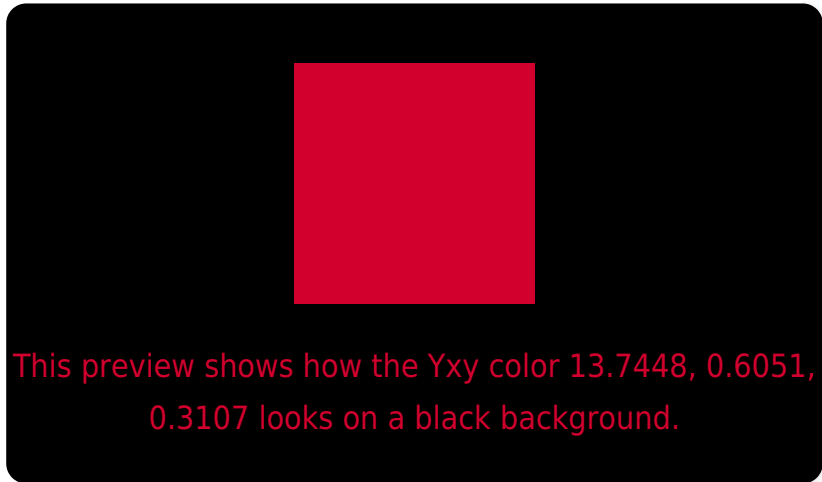
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7448, 0.6051, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 13.7448, 0.6051, 0.3107.



This preview shows how white text looks on a background with the Yxy color 13.7448, 0.6051, 0.3107.

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

13.7448, 0.6051, 0.3107

Protanopia

14.3826, 0.3758, 0.4064

Deuteranopia

14.3928, 0.4516, 0.4460



Tritanopia

13.8910, 0.6307, 0.3333

Trichromacy



Original Color

13.7448, 0.6051, 0.3107

Protanomaly

10.7301, 0.4832, 0.3407

Deuteranomaly

11.3712, 0.5401, 0.3645

Tritanomaly

13.7270, 0.6260, 0.3270

Monochromacy



Original Color

13.7448, 0.6051, 0.3107

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.9759, 0.4597, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7448, 0.6051, 0.3107 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(209, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 45)  
}
```

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(209, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 45) }
```

Border

The CSS property to change the border of an element to Yxy 13.7448, 0.6051, 0.3107 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(209, 0, 45) }
```

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

```
.border{ border-color:rgb(209, 0, 45) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7448, 0.6051, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 45) }
```

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

```
.background{ background-color: rgb(209, 0,  
45) }
```

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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