

Converting Colors

$Y_{xy}(13.3562, 0.6237, 0.3210)$

Have a look what the booklet for
Yxy(13.3562, 0.6237, 0.3210)
contains.

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Color

Yxy(13.3492, 0.6236, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	CF001C
RGB	207, 0, 28
RGB Percent	81%, 0%, 11%
CMY	0.1882, 0.9998, 0.8901
CMYK	0.00, 1.00, 0.86, 0.19
HSL	352°, 100%, 41%
HSV	352°, 100%, 81%
XYZ	25.9413, 13.3492, 2.3088
YIQ	65.0850, 114.3840, 52.5920

Conversions

Conversions Part 2

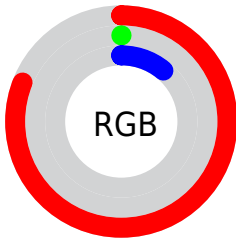
Format	Color
RYB	207, 0, 28
Decimal	13565980
CIELab	43.28, 68.79, 46.86
CIElCh	43, 83.236, 34.261
Yxy	13.3492, 0.6236, 0.3209
Android (android.graphics.Color)	4291756060 (0xFFCF001C)
YUV	65.0850, -18.2829, 124.4595
Hunter-Lab	36.5366, 62.7977, 21.8290

Details

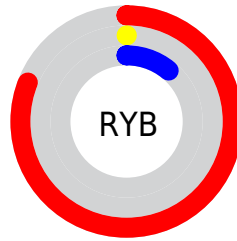
The Yxy color **13.3492, 0.6236, 0.3209** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **47.8808, 0.2367, 0.3722**, and the grayscale version is **5.3205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4100, 0.5468, 0.3392**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.3486, 0.6236, 0.3209**, and if you desaturate by 10%, it is **13.9889, 0.5971, 0.3154**.

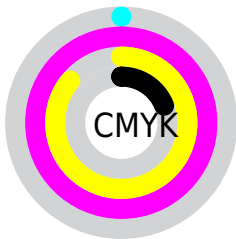
Distribution



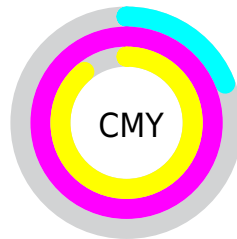
- Red (81%)
- Green (0%)
- Blue (11%)



- Red (81%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3492, 0.6236, 0.3209 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 13.3492, 0.6236, 0.3209 by changing the saturation by 10% instead.


 13.3492, 0.6236,
0.3209


 13.3492, 0.6236,
0.3209


213.1437, 0.4468,
0.3466


 7.6694, 0.6680,
0.3029


 31.9297, 0.5573,
0.3382


 3.8842, 0.7255,
0.2745

 45.5993, 0.5325,
0.3421

 1.6090, 0.7780,
0.2220

 62.7009, 0.5119,
0.3444

 0.3636, 0.8800,
0.1200

 83.6190, 0.4946,
0.3457


 0.0000, 1.0000,
0.0000

 108.7379, 0.4799,
0.3464

 0.0000, 0.0000,
0.0000

 138.4421, 0.4673,


0.3467

 173.1159, 0.4564,
0.3468


 13.3492, 0.6236,
0.3209

 13.3492, 0.6236,
0.3209


 13.3486, 0.6236,
0.3209

 13.9889, 0.5971,
0.3154

 15.2506, 0.5601,
0.3110

 17.3321, 0.5169,
0.3092

 20.3422, 0.4734,
0.3097

 24.3731, 0.4334,
0.3118

■ 29.5057, 0.3989,
0.3149

■ 35.8128, 0.3702,
0.3185

■ 43.3612, 0.3468,
0.3222

■ 52.2123, 0.3279,
0.3257

Harmonies

Analogous

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



13.3492, 0.5373, 0.2431



13.3492, 0.6236, 0.3209



13.3492, 0.5857, 0.4143

Triad

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



13.3492, 0.6236, 0.3209



13.3492, 0.2058, 0.6137



13.3492, 0.1201, 0.1177

Complementary

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



13.3492, 0.6236, 0.3209



47.8808, 0.2367, 0.3722

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.



13.3492, 0.0827, 0.1375



13.3492, 0.6236, 0.3209



13.3492, 0.1129, 0.3859

Square

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



13.3492, 0.6236, 0.3209



13.3492, 0.3343, 0.6459



13.3492, 0.0781, 0.2106



13.3492, 0.2053, 0.1303

Rectangle

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



13.3492, 0.6236, 0.3209



13.3492, 0.5113, 0.4887



13.3492, 0.0781, 0.2106



13.3492, 0.1034, 0.1202

Sweetspot

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



13.3501, 0.6236, 0.3209



56.9671, 0.3712, 0.3184



13.7310, 0.2830, 0.1333



11.2262, 0.3829, 0.3168



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.



13.3501, 0.6236, 0.3209



21.3781, 0.6255, 0.3220



17.9628, 0.5846, 0.3740



11.8339, 0.3270, 0.3259



8.4186, 0.6212, 0.3196



0.4794, 0.5791, 0.2964

Inverse Universe

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



13.3501, 0.6236, 0.3209



21.3781, 0.6255, 0.3220



21.7128, 0.1915, 0.2093



11.8339, 0.3270, 0.3259



8.4186, 0.6212, 0.3196



0.4794, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 13.3492, 0.6236, 0.3209 looks on a white background.

Color Contrast Check

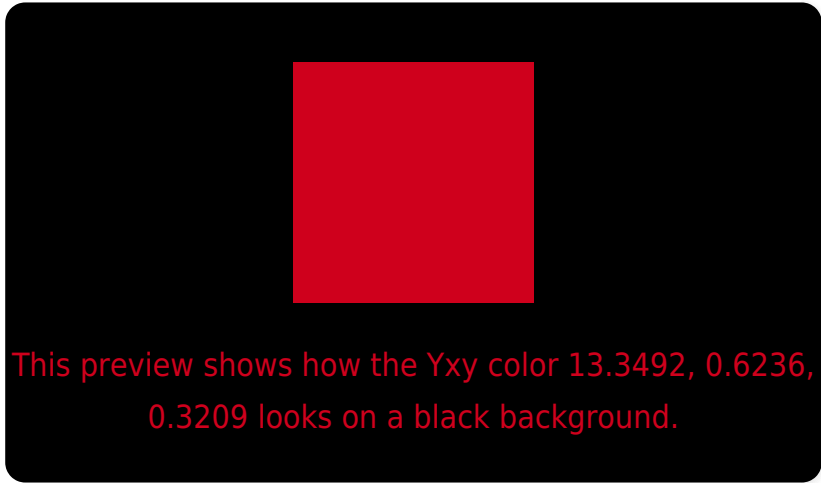
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3492, 0.6236, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 13.3492, 0.6236, 0.3209.



This preview shows how white text looks on a background with the Yxy color 13.3492, 0.6236, 0.3209.

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

13.3492, 0.6236, 0.3209

Protanopia

14.0214, 0.4052, 0.4450

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.5876, 0.6336, 0.3351

Trichromacy



Original Color

13.3492, 0.6236, 0.3209

Protanomaly

10.5571, 0.5168, 0.3690

Deuteranomaly

10.9479, 0.5634, 0.3824

Tritanomaly

13.4067, 0.6320, 0.3305

Monochromacy



Original Color

13.3492, 0.6236, 0.3209

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

5.6157, 0.4798, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3492, 0.6236, 0.3209 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(207, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 28)  
}
```

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(207, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 28) }
```

Border

The CSS property to change the border of an element to Yxy 13.3492, 0.6236, 0.3209 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(207, 0, 28) }
```

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

```
.border{ border-color:rgb(207, 0, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3492, 0.6236, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 28) }
```

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

```
.background{ background-color: rgb(207, 0,  
28) }
```

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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