

Converting Colors

$Y_{xy}(13.8592, 0.5880, 0.3298)$

Have a look what the booklet for
Yxy(13.8592, 0.5880, 0.3298)
contains.

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Color

Yxy(13.8881, 0.5877, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	C72929
RGB	199, 41, 41
RGB Percent	78%, 16%, 16%
CMY	0.2196, 0.8392, 0.8392
CMYK	0.00, 0.79, 0.79, 0.22
HSL	360°, 66%, 47%
HSV	360°, 79%, 78%
XYZ	24.7484, 13.8881, 3.4741
YIQ	88.2420, 94.1680, 33.4960

Conversions

Conversions Part 2

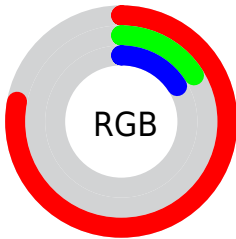
Format	Color
R _Y B	199, 41, 41
Decimal	13052201
CIE Lab	44.07, 60.35, 40.14
CIE LCh	44, 72.479, 33.627
Yxy	13.8881, 0.5877, 0.3298
Android (android.graphics.Color)	4291242281 (0xFFC72929)
YUV	88.2420, -23.2903, 97.1348
Hunter-Lab	37.2667, 53.3231, 20.5595

Details

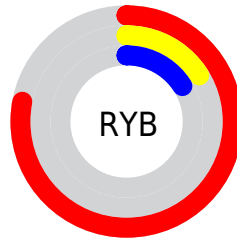
The Yxy color **13.8881, 0.5877, 0.3298** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **45.4463, 0.2290, 0.3288**, and the grayscale version is **9.8506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2555, 0.5209, 0.3419**, and **5.2342, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.7377, 0.6206, 0.3299**, and if you desaturate by 10%, it is **15.8055, 0.5435, 0.3297**.

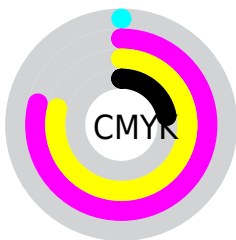
Distribution



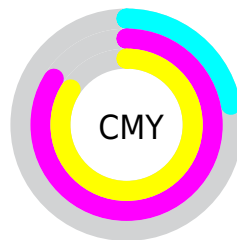
- Red (78%)
- Green (16%)
- Blue (16%)



- Red (78%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (22%)





- Cyan (22%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8881, 0.5877, 0.3298 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 13.8881, 0.5877, 0.3298 by changing the saturation by 10% instead.


 13.8881, 0.5877,
0.3298


 13.8881, 0.5877,
0.3298


216.5336, 0.4285,
0.3450


 8.0429, 0.6306,
0.3166


 32.8903, 0.5261,
0.3413

 4.1224, 0.6954,
0.2977


 46.8162, 0.5038,
0.3436


 1.7423, 0.7495,
0.2505

 64.2043, 0.4855,
0.3448

 0.4508, 0.8424,
0.1576

 85.4391, 0.4702,
0.3454

 0.0000, 1.0000,
0.0000

 110.9051, 0.4573,
0.3456

 0.0000, 0.0000,
0.0000

 140.9866, 0.4463,

0.3455

176.0679, 0.4368,
0.3453

13.8881, 0.5877,
0.3298

13.8881, 0.5877,
0.3298

12.7377, 0.6206,
0.3299

15.8055, 0.5435,
0.3297

12.1719, 0.6391,
0.3300

18.5890, 0.4957,
0.3295

12.1435, 0.6401,
0.3300

22.3256, 0.4502,
0.3294

27.0911, 0.4105,
0.3293

32.9537, 0.3774,
0.3292

■ 39.9757, 0.3505,
0.3291

■ 48.2147, 0.3290,
0.3290

■ 57.7246, 0.3118,
0.3290

■ 68.5560, 0.2980,
0.3290

Harmonies

Analogous

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



13.8881, 0.5050, 0.2538



13.8881, 0.5877, 0.3298



13.8881, 0.5614, 0.4155

Triad

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



13.8881, 0.5877, 0.3298



13.8881, 0.2276, 0.5694



13.8881, 0.1366, 0.1363

Complementary

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



13.8881, 0.5877, 0.3298



45.4463, 0.2290, 0.3288

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.



13.8881, 0.1009, 0.1580



13.8881, 0.5877, 0.3298



13.8881, 0.1370, 0.3853

Square

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



13.8881, 0.5877, 0.3298



13.8881, 0.3470, 0.6051



13.8881, 0.0988, 0.2306



13.8881, 0.2160, 0.1475

Rectangle

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



13.8881, 0.5877, 0.3298



13.8881, 0.5053, 0.4850



13.8881, 0.0988, 0.2306



13.8881, 0.1206, 0.1394

Sweetspot

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



13.8890, 0.5877, 0.3298



63.6408, 0.3631, 0.3291



17.4956, 0.3172, 0.1634



12.6989, 0.3732, 0.3292



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.



13.8890, 0.5877, 0.3298



21.5699, 0.6341, 0.3300



25.1120, 0.4992, 0.4129



10.6370, 0.3290, 0.3290



7.8077, 0.6401, 0.3300



0.3697, 0.6400, 0.3300

Inverse Universe

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



13.8890, 0.5877, 0.3298



21.5699, 0.6341, 0.3300



18.6708, 0.1951, 0.1994



10.6370, 0.3290, 0.3290



7.8077, 0.6401, 0.3300



0.3697, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 13.8881, 0.5877, 0.3298 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 13.8881, 0.5877, 0.3298 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 13.8881, 0.5877, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 13.8881, 0.5877, 0.3298.



This preview shows how white text looks on a background with the Yxy color 13.8881, 0.5877, 0.3298.

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

13.8881, 0.5877, 0.3298

Protanopia

14.1319, 0.3911, 0.4237

Deuteranopia

14.1037, 0.4541, 0.4484



Tritanopia

13.8881, 0.5877, 0.3298

Trichromacy



Original Color

13.8881, 0.5877, 0.3298

Protanomaly

12.3935, 0.4736, 0.3789

Deuteranomaly

12.7697, 0.5152, 0.3921

Tritanomaly

13.8881, 0.5877, 0.3298

Monochromacy



Original Color

13.8881, 0.5877, 0.3298

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.5506, 0.4239, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8881, 0.5877, 0.3298 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(199, 41, 41)` looks like.

```
.text, #text, p{  
    color:rgb(199, 41, 41)  
}
```

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(199, 41, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 41, 41) }
```

Border

The CSS property to change the border of an element to Yxy 13.8881, 0.5877, 0.3298 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(199, 41, 41) }
```

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

```
.border{ border-color:rgb(199, 41, 41) }
```

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

Here you see how a box with a 4 pixel rgb(199, 41, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 41, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 41, 41);  
box-shadow:4px 4px 4px 4px rgb(199, 41,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8881, 0.5877, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 41, 41) }
```

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

```
.background{ background-color: rgb(199, 41,  
41) }
```

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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