

Converting Colors

$Y_{xy}(13.8382, 0.6111, 0.3233)$

Have a look what the booklet for
Yxy(13.8382, 0.6111, 0.3233)
contains.

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Color

Yxy(13.9172, 0.6111, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	CF1522
RGB	207, 21, 34
RGB Percent	81%, 8%, 13%
CMY	0.1882, 0.9176, 0.8667
CMYK	0.00, 0.90, 0.84, 0.19
HSL	356°, 82%, 45%
HSV	356°, 90%, 81%
XYZ	26.2900, 13.9172, 2.8136
YIQ	78.0960, 106.6830, 43.4750

Conversions

Conversions Part 2

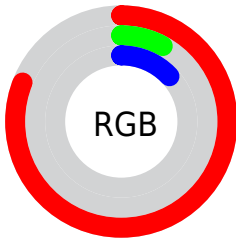
Format	Color
R_{YB}	207, 21, 34
Decimal	13571362
CIE _{Lab}	44.11, 66.67, 44.52
CIE _{LCh}	44, 80.162, 33.733
Yxy	13.9172, 0.6111, 0.3235
Android (android.graphics.Color)	4291761442 (0xFFCF1522)
YUV	78.0960, -21.7393, 113.0488
Hunter-Lab	37.3058, 60.5067, 21.6425

Details

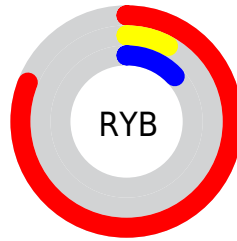
The Yxy color **13.9172, 0.6111, 0.3235** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **48.6830, 0.2315, 0.3483**, and the grayscale version is **7.6654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4935, 0.5356, 0.3396**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.3064, 0.6332, 0.3263**, and if you desaturate by 10%, it is **15.1607, 0.5756, 0.3209**.

Distribution



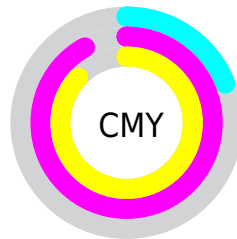
- Red (81%)
- Green (8%)
- Blue (13%)



- Red (81%)
- Yellow (8%)
- Blue (13%)



- Cyan (0%)
- Magenta (90%)
- Yellow (84%)
- Black (19%)



- Cyan (19%)
- Magenta (92%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9172, 0.6111, 0.3235 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 13.9172, 0.6111, 0.3235 by changing the saturation by 10% instead.


 13.9172, 0.6111,
0.3235


 13.9172, 0.6111,
0.3235


216.7151, 0.4408,
0.3456


 8.0631, 0.6546,
0.3073


 32.9420, 0.5466,
0.3386


 4.1354, 0.7166,
0.2834

 46.8816, 0.5228,
0.3420


 1.7496, 0.7672,
0.2328

 64.2850, 0.5030,
0.3439

 0.4554, 0.8576,
0.1424

 85.5368, 0.4864,
0.3450

 0.0000, 1.0000,
0.0000


 111.0213, 0.4724,
0.3456

 0.0000, 0.0000,
0.0000

 141.1229, 0.4603,


0.3458


 176.2261, 0.4499,
0.3458

 13.9172, 0.6111,
0.3235

 13.9172, 0.6111,
0.3235

 13.3064, 0.6332,
0.3263


 15.1607, 0.5756,
0.3209

 13.2990, 0.6335,
0.3263

 17.2304, 0.5315,
0.3195

 20.2377, 0.4855,
0.3195

 24.2763, 0.4426,
0.3204

 29.4284, 0.4053,
0.3219

■ 35.7679, 0.3743,
0.3237

■ 43.3623, 0.3490,
0.3255

■ 52.2743, 0.3288,
0.3273

■ 62.5620, 0.3125,
0.3290

Harmonies

Analogous

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



13.9172, 0.5244, 0.2461



13.9172, 0.6111, 0.3235



13.9172, 0.5777, 0.4136

Triad

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



13.9172, 0.6111, 0.3235



13.9172, 0.2149, 0.5994



13.9172, 0.1251, 0.1240

Complementary

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



13.9172, 0.6111, 0.3235



48.6830, 0.2315, 0.3483

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.



13.9172, 0.0886, 0.1449



13.9172, 0.6111, 0.3235



13.9172, 0.1219, 0.3882

Square

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



13.9172, 0.6111, 0.3235



13.9172, 0.3402, 0.6301



13.9172, 0.0852, 0.2188



13.9172, 0.2078, 0.1359

Rectangle

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



13.9172, 0.6111, 0.3235



13.9172, 0.5122, 0.4878



13.9172, 0.0852, 0.2188



13.9172, 0.1088, 0.1269

Sweetspot

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



13.9181, 0.6111, 0.3235



60.2007, 0.3674, 0.3241



16.1837, 0.3020, 0.1475



12.0489, 0.3769, 0.3235



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.



13.9181, 0.6111, 0.3235



21.3030, 0.6347, 0.3270



22.1506, 0.5425, 0.3968



11.8214, 0.3280, 0.3274



8.3837, 0.6319, 0.3254



0.4736, 0.6065, 0.3115

Inverse Universe

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



13.9181, 0.6111, 0.3235



21.3030, 0.6347, 0.3270



20.4988, 0.1912, 0.2011



11.8214, 0.3280, 0.3274



8.3837, 0.6319, 0.3254



0.4736, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 13.9172, 0.6111, 0.3235 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 13.9172, 0.6111, 0.3235 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 13.9172, 0.6111, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 13.9172, 0.6111, 0.3235.



This preview shows how white text looks on a background with the Yxy color 13.9172, 0.6111, 0.3235.

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

13.9172, 0.6111, 0.3235

Protanopia

14.3563, 0.3977, 0.4340

Deuteranopia

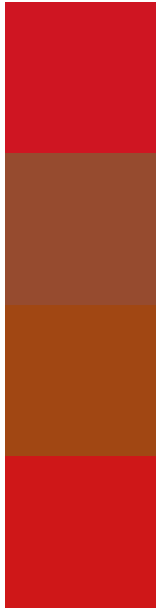
14.2046, 0.4672, 0.4595



Tritanopia

13.9623, 0.6228, 0.3323

Trichromacy



Original Color

13.9172, 0.6111, 0.3235

Protanomaly

11.7214, 0.4961, 0.3726

Deuteranomaly

12.1306, 0.5461, 0.3881

Tritanomaly

13.9441, 0.6191, 0.3295

Monochromacy



Original Color

13.9172, 0.6111, 0.3235

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.6340, 0.4517, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9172, 0.6111, 0.3235 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, 21, 34)` looks like.

```
.text, #text, p{  
    color:rgb(207, 21, 34)  
}
```

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, 21, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 21, 34) }
```

Border

The CSS property to change the border of an element to Yxy 13.9172, 0.6111, 0.3235 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, 21, 34) }
```

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

```
.border{ border-color:rgb(207, 21, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 21, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 21, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 21, 34);  
box-shadow:4px 4px 4px 4px rgb(207, 21,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9172, 0.6111, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 21, 34) }
```

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

```
.background{ background-color: rgb(207, 21,  
34) }
```

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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