

Converting Colors

$Y_{xy}(13.8290, 0.6119, 0.3386)$

Have a look what the booklet for
Yxy(13.8290, 0.6119, 0.3386)
contains.

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Color

Yxy(13.7911, 0.6115, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	C92514
RGB	201, 37, 20
RGB Percent	79%, 15%, 8%
CMY	0.2117, 0.8549, 0.9215
CMYK	0.00, 0.82, 0.90, 0.21
HSL	6°, 82%, 43%
HSV	6°, 90%, 79%
XYZ	24.8769, 13.7911, 2.0137
YIQ	84.0980, 103.2010, 29.4810

Conversions

Conversions Part 2

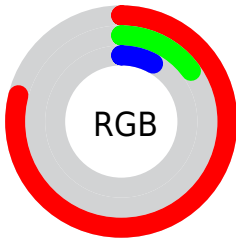
Format	Color
R_{YB}	201, 39, 20
Decimal	13182228
CIE _{Lab}	43.93, 61.51, 50.44
CIE _{LCh}	44, 79.543, 39.355
Yxy	13.7911, 0.6115, 0.3390
Android (android.graphics.Color)	4291372308 (0xFFC92514)
YUV	84.0980, -31.6003, 102.5231
Hunter-Lab	37.1364, 54.5847, 22.7804

Details

The Yxy color **13.7911, 0.6115, 0.3390** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **38.6620, 0.2188, 0.3023**, and the grayscale version is **8.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6010, 0.5419, 0.3548**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8791, 0.6333, 0.3354**, and if you desaturate by 10%, it is **15.3251, 0.5772, 0.3422**.

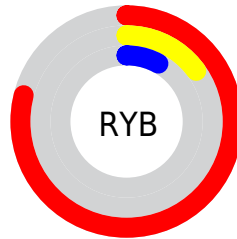
Distribution



Red (79%)

Green (15%)

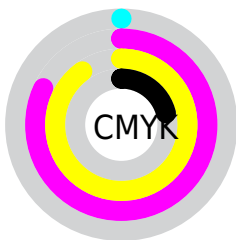
Blue (8%)



Red (79%)

Yellow (15%)

Blue (8%)

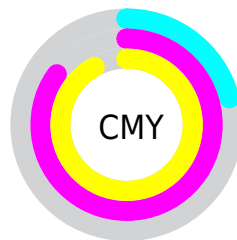


Cyan (0%)

Magenta (82%)

Yellow (90%)

Black (21%)



Cyan (21%)


Magenta (85%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7911, 0.6115, 0.3390 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 13.7911, 0.6115, 0.3390 by changing the saturation by 10% instead.


 13.7911, 0.6115,
0.3390

 13.7911, 0.6115,
0.3390


215.9274, 0.4433,
0.3551


 7.9755, 0.6536,
0.3235


 32.7179, 0.5491,
0.3530


 4.0793, 0.7039,
0.2961

 46.5979, 0.5256,
0.3555


 1.7180, 0.7537,
0.2463

 63.9349, 0.5059,
0.3567

 0.4353, 0.8484,
0.1516

 85.1131, 0.4894,
0.3570


 0.0000, 1.0000,
0.0000


 110.5171, 0.4752,
0.3569


 0.0000, 0.0000,
0.0000


 140.5312, 0.4631,


0.3564

 175.5398, 0.4525,
0.3558


 13.7911, 0.6115,
0.3390


 13.7911, 0.6115,
0.3390


 12.8791, 0.6333,
0.3354

 15.3251, 0.5772,
0.3422

 17.5686, 0.5342,
0.3435

 20.5952, 0.4889,
0.3431

 24.4684, 0.4463,
0.3415

 29.2454, 0.4088,
0.3392

■ 34.9781, 0.3772,
0.3366

■ 41.7148, 0.3512,
0.3340

■ 49.5003, 0.3300,
0.3314

■ 58.3768, 0.3128,
0.3290

Harmonies

Analogous

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



13.7911, 0.5492, 0.2607



13.7911, 0.6115, 0.3390



13.7911, 0.5626, 0.4345

Triad

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



13.7911, 0.6115, 0.3390



13.7911, 0.1944, 0.5669



13.7911, 0.1370, 0.1245

Complementary

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



13.7911, 0.6115, 0.3390



38.6620, 0.2188, 0.3023

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.



13.7911, 0.0933, 0.1386



13.7911, 0.6115, 0.3390



13.7911, 0.1117, 0.3482

Square

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



13.7911, 0.6115, 0.3390



13.7911, 0.3160, 0.6379



13.7911, 0.0839, 0.1997



13.7911, 0.2304, 0.1420

Rectangle

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



13.7911, 0.6115, 0.3390



13.7911, 0.4899, 0.5101



13.7911, 0.0839, 0.1997



13.7911, 0.1179, 0.1254

Sweetspot

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



13.7920, 0.6115, 0.3390



62.7777, 0.3697, 0.3359



16.4616, 0.3405, 0.1688



12.6351, 0.3795, 0.3368



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.



13.7920, 0.6115, 0.3390



21.9097, 0.6345, 0.3344



27.2881, 0.5006, 0.4319



10.7942, 0.3287, 0.3312



8.1580, 0.6319, 0.3365



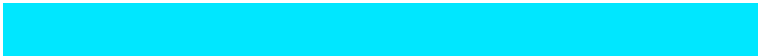
0.4424, 0.6069, 0.3563

Inverse Universe

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



38.6620, 0.2188, 0.3023



64.4209, 0.2163, 0.2987



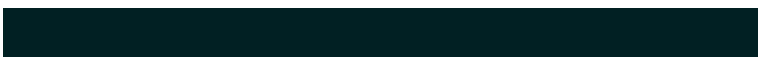
12.6292, 0.1771, 0.1495



11.8909, 0.2984, 0.3268



23.7988, 0.2166, 0.2996



1.1777, 0.2184, 0.3062

Previews

White Background



This preview shows how the Yxy color 13.7911, 0.6115, 0.3390 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 13.7911, 0.6115, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

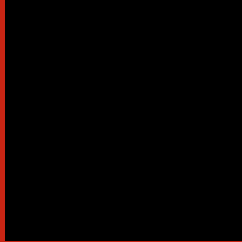
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7911, 0.6115, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 13.7911, 0.6115, 0.3390.



This preview shows how white text looks on a background with the Yxy color 13.7911, 0.6115, 0.3390.

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

13.7911, 0.6115, 0.3390

Protanopia

14.0124, 0.4177, 0.4606

Deuteranopia

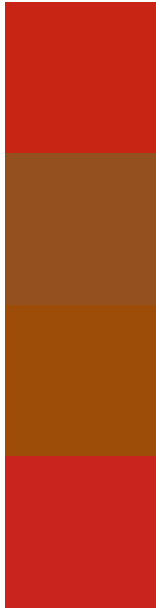
14.0199, 0.4682, 0.4664



Tritanopia

13.7351, 0.6010, 0.3305

Trichromacy



Original Color

13.7911, 0.6115, 0.3390

Protanomaly

12.1270, 0.5071, 0.4015

Deuteranomaly

12.4912, 0.5384, 0.4052

Tritanomaly

13.7680, 0.6051, 0.3341

Monochromacy



Original Color

13.7911, 0.6115, 0.3390

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.8633, 0.4466, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7911, 0.6115, 0.3390 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(201, 37, 20)` looks like.

```
.text, #text, p{  
    color:rgb(201, 37, 20)  
}
```

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(201, 37, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 37, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.7911, 0.6115, 0.3390 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(201, 37, 20) }
```

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

```
.border{ border-color:rgb(201, 37, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 37, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 37, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 37, 20);  
box-shadow:4px 4px 4px 4px rgb(201, 37,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7911, 0.6115, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 37, 20) }
```

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

```
.background{ background-color: rgb(201, 37,  
20) }
```

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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