

Converting Colors

$Y_{xy}(12.7923, 0.6231, 0.3328)$

Have a look what the booklet for
Yxy(12.7923, 0.6231, 0.3328)
contains.

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Color

Yxy(12.7923, 0.6231, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	C71710
RGB	199, 23, 16
RGB Percent	78%, 9%, 6%
CMY	0.2196, 0.9096, 0.9374
CMYK	0.00, 0.88, 0.92, 0.22
HSL	2°, 85%, 42%
HSV	2°, 92%, 78%
XYZ	23.9510, 12.7923, 1.6951
YIQ	74.8260, 107.1430, 35.1350

Conversions

Conversions Part 2

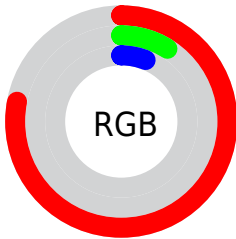
Format	Color
R_{YB}	199, 23, 16
Decimal	13047568
CIE Lab	42.45, 63.88, 50.83
CIE LCh	42, 81.638, 38.512
Yxy	12.7923, 0.6231, 0.3328
Android (android.graphics.Color)	4291237648 (0xFFC71710)
YUV	74.8260, -29.0012, 108.9006
Hunter-Lab	35.7663, 56.9417, 22.2264

Details

The Yxy color **12.7923, 0.6231, 0.3328** 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 **41.8813, 0.2227, 0.3178**, and the grayscale version is **7.0467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1123, 0.5526, 0.3505**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.3084, 0.6375, 0.3320**, and if you desaturate by 10%, it is **13.9363, 0.5926, 0.3343**.

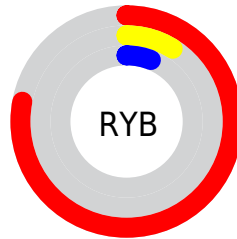
Distribution



Red (78%)

Green (9%)

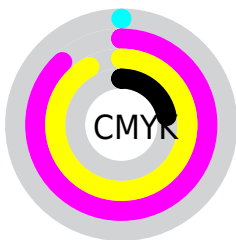
Blue (6%)



Red (78%)

Yellow (9%)

Blue (6%)

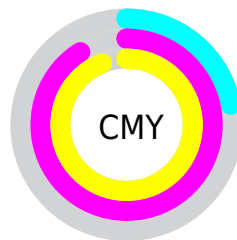


Cyan (0%)

Magenta (88%)

Yellow (92%)

Black (22%)



Cyan (22%)


Magenta (91%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7923, 0.6231, 0.3328 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 12.7923, 0.6231, 0.3328 by changing the saturation by 10% instead.


 12.7923, 0.6231,
0.3328


 12.7923, 0.6231,
0.3328


 209.5822, 0.4476,
0.3540


 7.2857, 0.6686,
0.3159


 30.9301, 0.5581,
0.3494


 3.6414, 0.7165,
0.2835

 44.3301, 0.5335,
0.3527


 1.4751, 0.7698,
0.2302

 61.1301, 0.5130,
0.3544

 0.2711, 0.8921,
0.1079

 81.7143, 0.4956,
0.3551


 0.0000, 1.0000,
0.0000

 106.4672, 0.4809,
0.3552

 0.0000, 0.0000,
0.0000

 135.7733, 0.4682,


0.3550

 170.0168, 0.4572,
0.3546


 12.7923, 0.6231,
0.3328


 12.7923, 0.6231,
0.3328


 12.3084, 0.6375,
0.3320

 13.9363, 0.5926,
0.3343

 15.7946, 0.5505,
0.3351

 18.4593, 0.5037,
0.3352

 22.0080, 0.4584,
0.3346

 26.5090, 0.4182,
0.3336

■ 32.0244, 0.3843,
0.3325

■ 38.6105, 0.3564,
0.3313

■ 46.3198, 0.3340,
0.3302

■ 55.2013, 0.3159,
0.3292

Harmonies

Analogous

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



12.7923, 0.5568, 0.2544



12.7923, 0.6231, 0.3328



12.7923, 0.5709, 0.4291

Triad

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



12.7923, 0.6231, 0.3328



12.7923, 0.1902, 0.5873



12.7923, 0.1294, 0.1183

Complementary

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



12.7923, 0.6231, 0.3328



41.8813, 0.2227, 0.3178

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.



12.7923, 0.0865, 0.1329



12.7923, 0.6231, 0.3328



12.7923, 0.1055, 0.3537

Square

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



12.7923, 0.6231, 0.3328



12.7923, 0.3151, 0.6518



12.7923, 0.0775, 0.1960



12.7923, 0.2230, 0.1352

Rectangle

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



12.7923, 0.6231, 0.3328



12.7923, 0.4936, 0.5064



12.7923, 0.0775, 0.1960



12.7923, 0.1106, 0.1193

Sweetspot

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



12.7931, 0.6231, 0.3328



59.9786, 0.3737, 0.3321



16.3552, 0.3286, 0.1612



11.8219, 0.3868, 0.3326



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.



12.7931, 0.6231, 0.3328



21.4749, 0.6382, 0.3315



24.1164, 0.5167, 0.4208



10.7018, 0.3289, 0.3300



7.9452, 0.6368, 0.3326



0.3998, 0.6255, 0.3415

Inverse Universe

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



41.8813, 0.2227, 0.3178



72.5859, 0.2213, 0.3166



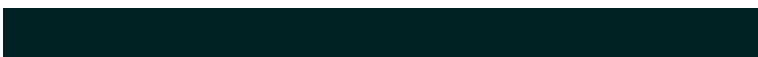
13.6122, 0.1796, 0.1608



11.9942, 0.2984, 0.3281



26.7197, 0.2214, 0.3170



1.2876, 0.2221, 0.3196

Previews

White Background



This preview shows how the Yxy color 12.7923, 0.6231, 0.3328 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 12.7923, 0.6231, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 12.7923, 0.6231, 0.3328.



This preview shows how white text looks on a background with the Yxy color 12.7923, 0.6231, 0.3328.

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

12.7923, 0.6231, 0.3328

Protanopia

13.1900, 0.4197, 0.4627

Deuteranopia

13.1386, 0.4680, 0.4666



Tritanopia

12.7954, 0.6225, 0.3324

Trichromacy



Original Color

12.7923, 0.6231, 0.3328

Protanomaly

10.8640, 0.5184, 0.3950

Deuteranomaly

11.2635, 0.5487, 0.3974

Tritanomaly

12.7954, 0.6225, 0.3324

Monochromacy



Original Color

12.7923, 0.6231, 0.3328

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.0878, 0.4623, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7923, 0.6231, 0.3328 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, 23, 16)` looks like.

```
.text, #text, p{  
    color:rgb(199, 23, 16)  
}
```

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, 23, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 23, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.7923, 0.6231, 0.3328 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, 23, 16) }
```

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

```
.border{ border-color:rgb(199, 23, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 23, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 23, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 23, 16);  
box-shadow:4px 4px 4px 4px rgb(199, 23,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7923, 0.6231, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 23, 16) }
```

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

```
.background{ background-color: rgb(199, 23,  
16) }
```

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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