

Converting Colors

$Y_{xy}(12.9231, 0.6264, 0.3409)$

Have a look what the booklet for
Yxy(12.9231, 0.6264, 0.3409)
contains.

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Color

Yxy(12.9343, 0.6262, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	C61E00
RGB	198, 30, 0
RGB Percent	78%, 12%, 0%
CMY	0.2235, 0.8822, 1.0000
CMYK	0.00, 0.85, 1.00, 0.22
HSL	9°, 100%, 39%
HSV	9°, 100%, 78%
XYZ	23.7521, 12.9343, 1.2441
YIQ	76.8120, 109.7580, 26.2860

Conversions

Conversions Part 2

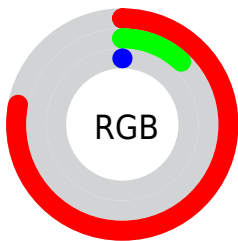
Format	Color
R_{YB}	198, 35, 0
Decimal	12983808
CIE Lab	42.66, 62.08, 56.10
CIE LCh	43, 83.668, 42.105
Yxy	12.9343, 0.6262, 0.3410
Android (android.graphics.Color)	4291173888 (0xFFC61E00)
YUV	76.8120, -37.8683, 106.2819
Hunter-Lab	35.9643, 54.9502, 23.1240

Details

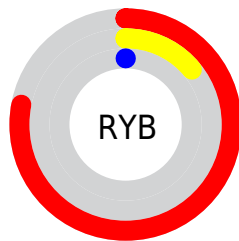
The Yxy color **12.9343, 0.6262, 0.3410** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.0695, 0.2111, 0.2798**, and the grayscale version is **7.4441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5224, 0.5592, 0.3598**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.9352, 0.6262, 0.3410**, and if you desaturate by 10%, it is **14.0741, 0.6018, 0.3468**.

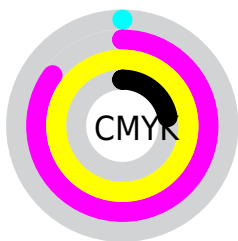
Distribution



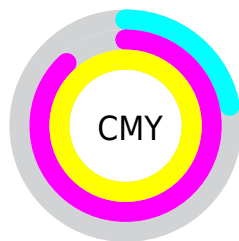
- Red (78%)
- Green (12%)
- Blue (0%)



- Red (78%)
- Yellow (14%)
- Blue (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (100%)
- Black (22%)




- Cyan (22%)
- Magenta (88%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9343, 0.6262, 0.3410 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 12.9343, 0.6262, 0.3410 by changing the saturation by 10% instead.


 12.9343, 0.6262,
0.3410


 12.9343, 0.6262,
0.3410


 210.4962, 0.4523,
0.3606


 7.3833, 0.6737,
0.3257


 31.1857, 0.5634,
0.3580


 3.7030, 0.7108,
0.2892

 44.6549, 0.5391,
0.3611


 1.5088, 0.7632,
0.2368

 61.5323, 0.5186,
0.3626

 0.2949, 0.8819,
0.1181

 82.2023, 0.5011,
0.3630


 0.0000, 1.0000,
0.0000

 107.0493, 0.4862,
0.3628

 0.0000, 0.0000,
0.0000


 136.4577, 0.4733,


0.3622


 170.8119, 0.4621,
0.3615


 12.9343, 0.6262,
0.3410


 12.9343, 0.6262,
0.3410

 12.9352, 0.6262,
0.3410

 14.0741, 0.6018,
0.3468

 15.7800, 0.5670,
0.3512

 18.1239, 0.5253,
0.3528

 21.1618, 0.4821,
0.3518

 24.9433, 0.4416,
0.3491

■ 29.5135, 0.4060,
0.3453

■ 34.9137, 0.3757,
0.3411

■ 41.1825, 0.3505,
0.3369

■ 48.3559, 0.3297,
0.3328

Harmonies

Analogous

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



12.9343, 0.5771, 0.2619



12.9343, 0.6262, 0.3410



12.9343, 0.5596, 0.4404

Triad

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



12.9343, 0.6262, 0.3410



12.9343, 0.1739, 0.5690



12.9343, 0.1351, 0.1162

Complementary

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



12.9343, 0.6262, 0.3410



32.0695, 0.2111, 0.2798

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.



12.9343, 0.0872, 0.1265



12.9343, 0.6262, 0.3410



12.9343, 0.0964, 0.3275

Square

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



12.9343, 0.6262, 0.3410



12.9343, 0.2966, 0.6623



12.9343, 0.0742, 0.1818



12.9343, 0.2372, 0.1368

Rectangle

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



12.9343, 0.6262, 0.3410



12.9343, 0.4781, 0.5219



12.9343, 0.0742, 0.1818



12.9343, 0.1143, 0.1160

Sweetspot

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



12.9352, 0.6262, 0.3410



61.3659, 0.3769, 0.3413



14.8433, 0.3631, 0.1774



12.2256, 0.3893, 0.3431



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.



12.9352, 0.6262, 0.3410



22.6898, 0.6279, 0.3396



27.6259, 0.4982, 0.4426



10.8923, 0.3286, 0.3326



8.4924, 0.6244, 0.3424



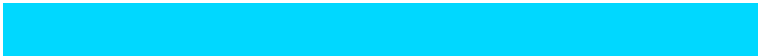
0.4872, 0.5895, 0.3702

Inverse Universe

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



32.0695, 0.2111, 0.2798



56.4982, 0.2109, 0.2791



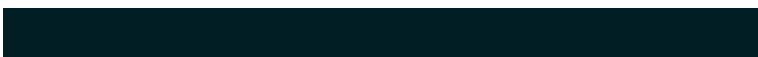
8.3700, 0.1643, 0.1115



11.7829, 0.2984, 0.3254



20.9572, 0.2113, 0.2806



1.0686, 0.2144, 0.2916

Previews

White Background



This preview shows how the Yxy color 12.9343, 0.6262, 0.3410 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 12.9343, 0.6262, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 12.9343, 0.6262, 0.3410.



This preview shows how white text looks on a background with the Yxy color 12.9343, 0.6262, 0.3410.

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

12.9343, 0.6262, 0.3410

Protanopia

13.2135, 0.4284, 0.4722

Deuteranopia

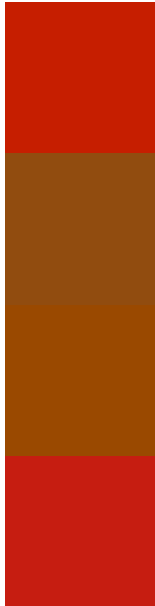
13.2165, 0.4694, 0.4655



Tritanopia

12.9591, 0.6118, 0.3315

Trichromacy



Original Color

12.9343, 0.6262, 0.3410

Protanomaly

11.2231, 0.5230, 0.4091

Deuteranomaly

11.6351, 0.5462, 0.4045

Tritanomaly

12.9250, 0.6186, 0.3355

Monochromacy



Original Color

12.9343, 0.6262, 0.3410

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.5184, 0.4699, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9343, 0.6262, 0.3410 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(198, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 30, 0)  
}
```

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(198, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 30, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9343, 0.6262, 0.3410 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(198, 30, 0) }
```

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

```
.border{ border-color:rgb(198, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(198, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 30, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9343, 0.6262, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 30, 0) }
```

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

```
.background{ background-color: rgb(198, 30,  
0) }
```

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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