

Converting Colors

$Y_{xy}(15.9412, 0.6311, 0.3257)$

Have a look what the booklet for
Yxy(15.9412, 0.6311, 0.3257)
contains.

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Color

Yxy(15.9412, 0.6311, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	E00214
RGB	224, 2, 20
RGB Percent	88%, 1%, 8%
CMY	0.1216, 0.9920, 0.9213
CMYK	0.00, 0.99, 0.91, 0.12
HSL	355°, 98%, 44%
HSV	355°, 99%, 88%
XYZ	30.8888, 15.9412, 2.1144
YIQ	70.4300, 126.5340, 52.6620

Conversions

Conversions Part 2

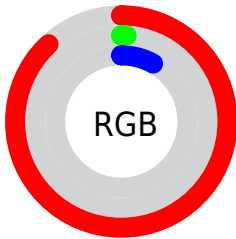
Format	Color
RYB	224, 2, 20
Decimal	14680596
CIELab	46.90, 72.65, 54.69
CIELCh	47, 90.934, 36.969
Yxy	15.9412, 0.6311, 0.3257
Android (android.graphics.Color)	4292870676 (0xFFE00214)
YUV	70.4300, -24.8620, 134.6809
Hunter-Lab	39.9264, 68.2241, 24.8087

Details

The Yxy color **15.9412, 0.6311, 0.3257** 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 **57.7782, 0.2318, 0.3542**, and the grayscale version is **6.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9897, 0.5497, 0.3469**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.8914, 0.6327, 0.3259**, and if you desaturate by 10%, it is **16.6765, 0.6078, 0.3221**.

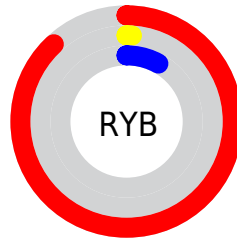
Distribution



Red (88%)

Green (1%)

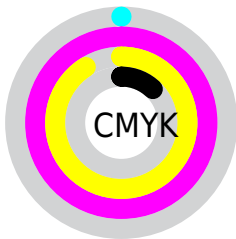
Blue (8%)



Red (88%)

Yellow (1%)

Blue (8%)

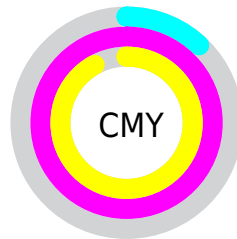


Cyan (0%)

Magenta (99%)

Yellow (91%)

Black (12%)



Cyan (12%)


Magenta (99%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9412, 0.6311, 0.3257 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 15.9412, 0.6311, 0.3257 by changing the saturation by 10% instead.


 15.9412, 0.6311,
0.3257


 15.9412, 0.6311,
0.3257


228.9945, 0.4576,
0.3518


 9.4826, 0.6716,
0.3082


 36.4961, 0.5687,
0.3434


 5.0572, 0.7198,
0.2802

 51.3611, 0.5445,
0.3474

 2.2809, 0.7668,
0.2332

 69.7971, 0.5241,
0.3498

 0.7636, 0.8336,
0.1664

 92.1884, 0.5067,
0.3512


 0.0000, 1.0000,
0.0000


 118.9194, 0.4917,
0.3518

 0.0000, 0.0000,
0.0000


 150.3744, 0.4788,

0.3521


 186.9380, 0.4675,
0.3520


 15.9412, 0.6311,
0.3257


 15.9412, 0.6311,
0.3257


 15.8914, 0.6327,
0.3259

 16.6765, 0.6078,
0.3221

 18.2072, 0.5714,
0.3191

 20.7399, 0.5270,
0.3177

 24.4071, 0.4812,
0.3178

 29.3211, 0.4388,
0.3190

■ 35.5808, 0.4022,
0.3208

■ 43.2749, 0.3718,
0.3229

■ 52.4848, 0.3471,
0.3251

■ 63.2856, 0.3273,
0.3272

Harmonies

Analogous

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



15.9412, 0.5572, 0.2475



15.9412, 0.6311, 0.3257



15.9412, 0.5791, 0.4209

Triad

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



15.9412, 0.6311, 0.3257



15.9412, 0.1910, 0.6081



15.9412, 0.1222, 0.1140

Complementary

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



15.9412, 0.6311, 0.3257



57.7782, 0.2318, 0.3542

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.



15.9412, 0.0812, 0.1302



15.9412, 0.6311, 0.3257



15.9412, 0.1030, 0.3652

Square

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



15.9412, 0.6311, 0.3257



15.9412, 0.3182, 0.6581



15.9412, 0.0734, 0.1969



15.9412, 0.2137, 0.1295

Rectangle

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



15.9412, 0.6311, 0.3257



15.9412, 0.5005, 0.4995



15.9412, 0.0734, 0.1969



15.9412, 0.1041, 0.1155

Sweetspot

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



15.9422, 0.6311, 0.3257



56.7909, 0.3749, 0.3227



18.4768, 0.3000, 0.1429



11.1861, 0.3874, 0.3218



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.



15.9422, 0.6311, 0.3257



21.3131, 0.6334, 0.3263



23.9507, 0.5650, 0.3888



13.7185, 0.3279, 0.3271



9.2568, 0.6308, 0.3248



0.6480, 0.6062, 0.3113

Inverse Universe

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



15.9422, 0.6311, 0.3257



21.3131, 0.6334, 0.3263



21.7670, 0.1852, 0.1860



13.7185, 0.3279, 0.3271



9.2568, 0.6308, 0.3248



0.6480, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 15.9412, 0.6311, 0.3257 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 15.9412, 0.6311, 0.3257 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 15.9412, 0.6311, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 15.9412, 0.6311, 0.3257.



This preview shows how white text looks on a background with the Yxy color 15.9412, 0.6311, 0.3257.

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

15.9412, 0.6311, 0.3257

Protanopia

16.3991, 0.4174, 0.4596

Deuteranopia

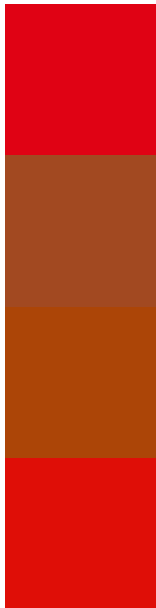
16.3550, 0.4709, 0.4643



Tritanopia

16.0659, 0.6337, 0.3350

Trichromacy



Original Color

15.9412, 0.6311, 0.3257

Protanomaly

12.5563, 0.5312, 0.3799

Deuteranomaly

13.0422, 0.5653, 0.3844

Tritanomaly

16.0174, 0.6338, 0.3315

Monochromacy



Original Color

15.9412, 0.6311, 0.3257

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.5603, 0.4909, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9412, 0.6311, 0.3257 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(224, 2, 20)` looks like.

```
.text, #text, p{  
  color:rgb(224, 2, 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(224, 2, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 2, 20) }
```

Border

The CSS property to change the border of an element to Yxy 15.9412, 0.6311, 0.3257 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(224, 2, 20) }
```

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

```
.border{ border-color:rgb(224, 2, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 2, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 2, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 2, 20);  
box-shadow:4px 4px 4px 4px rgb(224, 2, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9412, 0.6311, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 2, 20) }
```

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

```
.background{ background-color: rgb(224, 2,  
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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