

Converting Colors

$Y_{xy}(15.5197, 0.6252, 0.3418)$

Have a look what the booklet for
Yxy(15.5197, 0.6252, 0.3418)
contains.

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Color

Yxy(15.4982, 0.6250, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	D62300
RGB	214, 35, 0
RGB Percent	84%, 14%, 0%
CMY	0.1608, 0.8626, 0.9997
CMYK	0.00, 0.84, 1.00, 0.16
HSL	10°, 100%, 42%
HSV	10°, 100%, 84%
XYZ	28.3310, 15.4982, 1.5004
YIQ	84.5310, 117.9190, 27.0630

Conversions

Conversions Part 2

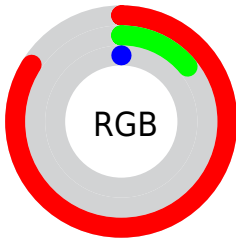
Format	Color
R _Y B	214, 42, 0
Decimal	14033664
CIE Lab	46.31, 65.42, 59.48
CIE LCh	46, 88.421, 42.275
Yxy	15.4982, 0.6250, 0.3419
Android (android.graphics.Color)	4292223744 (0xFFD62300)
YUV	84.5310, -41.6738, 113.5443
Hunter-Lab	39.3678, 59.5640, 25.2977

Details

The Yxy color **15.4982, 0.6250, 0.3419** 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 **37.1071, 0.2099, 0.2756**, and the grayscale version is **9.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6599, 0.5512, 0.3634**, and **6.3896, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.4952, 0.6251, 0.3419**, and if you desaturate by 10%, it is **16.8913, 0.6010, 0.3484**.

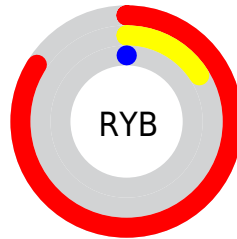
Distribution



Red (84%)

Green (14%)

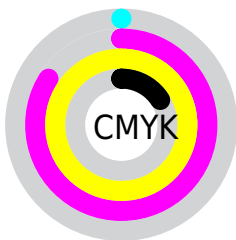
Blue (0%)



Red (84%)

Yellow (16%)

Blue (0%)

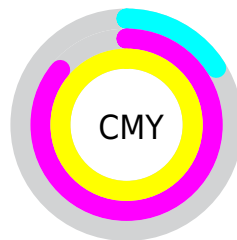


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (86%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4982, 0.6250, 0.3419 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 15.4982, 0.6250, 0.3419 by changing the saturation by 10% instead.


 15.4982, 0.6250,
0.3419


 15.4982, 0.6250,
0.3419


 226.3622, 0.4566,
0.3613


 9.1698, 0.6660,
0.3263


 35.7248, 0.5655,
0.3581


 4.8521, 0.7045,
0.2955

 50.3918, 0.5421,
0.3613


 2.1607, 0.7511,
0.2489

 68.6071, 0.5222,
0.3628

 0.6985, 0.8212,
0.1788

 90.7552, 0.5051,
0.3633


 0.0000, 1.0000,
0.0000


 117.2203, 0.4904,
0.3632


 0.0000, 0.0000,
0.0000


 148.3869, 0.4776,

0.3628


 184.6394, 0.4665,
0.3621


 15.4982, 0.6250,
0.3419


 15.4982, 0.6250,
0.3419


 15.4952, 0.6251,
0.3419

 16.8913, 0.6010,
0.3484

 18.9545, 0.5663,
0.3530

 21.7701, 0.5248,
0.3547

 25.4028, 0.4819,
0.3536

 29.9104, 0.4416,
0.3507

■ 35.3453, 0.4060,
0.3466

■ 41.7556, 0.3757,
0.3421

■ 49.1862, 0.3505,
0.3375

■ 57.6792, 0.3297,
0.3331

Harmonies

Analogous

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



15.4982, 0.5766, 0.2627



15.4982, 0.6250, 0.3419



15.4982, 0.5587, 0.4413

Triad

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



15.4982, 0.6250, 0.3419



15.4982, 0.1741, 0.5664



15.4982, 0.1360, 0.1168

Complementary

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



15.4982, 0.6250, 0.3419



37.1071, 0.2099, 0.2756

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.



15.4982, 0.0879, 0.1270



15.4982, 0.6250, 0.3419



15.4982, 0.0968, 0.3265

Square

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



15.4982, 0.6250, 0.3419



15.4982, 0.2963, 0.6607



15.4982, 0.0749, 0.1820



15.4982, 0.2383, 0.1376

Rectangle

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



15.4982, 0.6250, 0.3419



15.4982, 0.4774, 0.5226



15.4982, 0.0749, 0.1820



15.4982, 0.1152, 0.1166

Sweetspot

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



15.4992, 0.6250, 0.3419



61.7573, 0.3766, 0.3423



17.6698, 0.3633, 0.1775



12.3153, 0.3889, 0.3442



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.



15.4992, 0.6250, 0.3419



22.8930, 0.6263, 0.3409



32.7951, 0.4987, 0.4422



12.7454, 0.3287, 0.3329



9.4679, 0.6231, 0.3435



0.6750, 0.5926, 0.3677

Inverse Universe

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



37.1071, 0.2099, 0.2756



54.9717, 0.2097, 0.2750



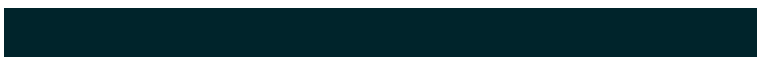
9.8800, 0.1641, 0.1107



13.7462, 0.2983, 0.3251



22.5576, 0.2101, 0.2764



1.4549, 0.2129, 0.2864

Previews

White Background



This preview shows how the Yxy color 15.4982, 0.6250, 0.3419 looks on a white background.

Color Contrast Check

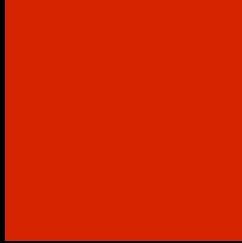
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4982, 0.6250, 0.3419 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 15.4982, 0.6250, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 15.4982, 0.6250, 0.3419.

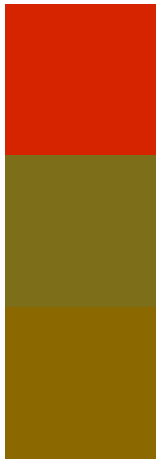


This preview shows how white text looks on a background with the Yxy color 15.4982, 0.6250, 0.3419.

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

15.4982, 0.6250, 0.3419

Protanopia

15.8034, 0.4289, 0.4731

Deuteranopia

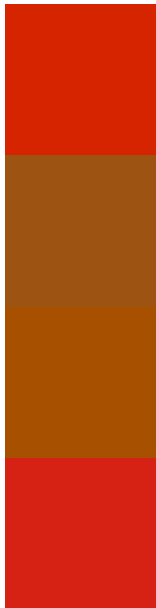
15.6786, 0.4703, 0.4648



Tritanopia

15.4828, 0.6096, 0.3309

Trichromacy



Original Color

15.4982, 0.6250, 0.3419

Protanomaly

13.3951, 0.5228, 0.4095

Deuteranomaly

13.9528, 0.5457, 0.4049

Tritanomaly

15.4907, 0.6170, 0.3362

Monochromacy



Original Color

15.4982, 0.6250, 0.3419

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.1862, 0.4689, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4982, 0.6250, 0.3419 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(214, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 35, 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(214, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 35, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4982, 0.6250, 0.3419 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(214, 35, 0) }
```

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

```
.border{ border-color:rgb(214, 35, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 35, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4982, 0.6250, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 35, 0) }
```

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

```
.background{ background-color: rgb(214, 35,  
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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