

Converting Colors

$Y_{xy}(15.3700, 0.6245, 0.3424)$

Have a look what the booklet for
Yxy(15.3700, 0.6245, 0.3424)
contains.

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Color

Yxy(15.4079, 0.6242, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	D52400
RGB	213, 36, 0
RGB Percent	84%, 14%, 0%
CMY	0.1647, 0.8588, 1.0000
CMYK	0.00, 0.83, 1.00, 0.16
HSL	10°, 100%, 42%
HSV	10°, 100%, 84%
XYZ	28.0724, 15.4079, 1.4931
YIQ	84.8190, 117.0480, 26.3280

Conversions

Conversions Part 2

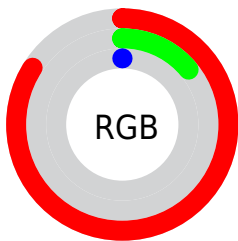
Format	Color
R_{YB}	213, 43, 0
Decimal	13968384
CIE Lab	46.19, 64.93, 59.35
CIE LCh	46, 87.966, 42.430
Yxy	15.4079, 0.6242, 0.3426
Android (android.graphics.Color)	4292158464 (0xFFD52400)
YUV	84.8190, -41.8158, 112.4147
Hunter-Lab	39.2529, 58.9649, 25.2217

Details

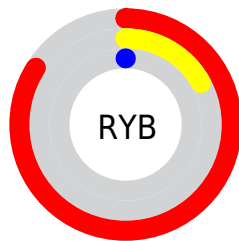
The Yxy color **15.4079, 0.6242, 0.3426** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **36.2479, 0.2094, 0.2736**, and the grayscale version is **9.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6599, 0.5512, 0.3634**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.4090, 0.6242, 0.3426**, and if you desaturate by 10%, it is **16.8132, 0.6000, 0.3492**.

Distribution



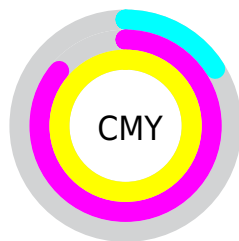
- Red (84%)
- Green (14%)
- Blue (0%)



- Red (84%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (16%)





- Cyan (16%)
- Magenta (86%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4079, 0.6242, 0.3426 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 15.4079, 0.6242, 0.3426 by changing the saturation by 10% instead.


 15.4079, 0.6242,
0.3426


 15.4079, 0.6242,
0.3426


 225.8220, 0.4561,
0.3615


 9.1062, 0.6653,
0.3271


 35.5672, 0.5647,
0.3586


 4.8105, 0.7037,
0.2963

 50.1935, 0.5414,
0.3617

 2.1365, 0.7504,
0.2496

 68.3635, 0.5215,
0.3632

 0.6850, 0.8213,
0.1787

 90.4615, 0.5044,
0.3637


 0.0000, 1.0000,
0.0000


 116.8720, 0.4897,
0.3636


 0.0000, 0.0000,
0.0000


 147.9793, 0.4770,


0.3631

 184.1679, 0.4659,
0.3624


 15.4079, 0.6242,
0.3426


 15.4079, 0.6242,
0.3426

 15.4090, 0.6242,
0.3426

 16.8132, 0.6000,
0.3492

 18.8766, 0.5654,
0.3540

 21.6783, 0.5240,
0.3556

 25.2808, 0.4813,
0.3545

 29.7403, 0.4412,
0.3514

■ 35.1073, 0.4058,
0.3472

■ 41.4288, 0.3756,
0.3426

■ 48.7482, 0.3505,
0.3378

■ 57.1064, 0.3298,
0.3333

Harmonies

Analogous

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



15.4079, 0.5765, 0.2634



15.4079, 0.6242, 0.3426



15.4079, 0.5579, 0.4421

Triad

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



15.4079, 0.6242, 0.3426



15.4079, 0.1740, 0.5643



15.4079, 0.1368, 0.1172

Complementary

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



15.4079, 0.6242, 0.3426



36.2479, 0.2094, 0.2736

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.



15.4079, 0.0885, 0.1273



15.4079, 0.6242, 0.3426



15.4079, 0.0971, 0.3255

Square

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



15.4079, 0.6242, 0.3426



15.4079, 0.2960, 0.6599



15.4079, 0.0753, 0.1820



15.4079, 0.2393, 0.1382

Rectangle

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



15.4079, 0.6242, 0.3426



15.4079, 0.4768, 0.5232



15.4079, 0.0753, 0.1820



15.4079, 0.1159, 0.1169

Sweetspot

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



15.4090, 0.6242, 0.3426



61.9446, 0.3765, 0.3427



17.3413, 0.3686, 0.1804



12.3583, 0.3888, 0.3447



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.



15.4090, 0.6242, 0.3426



22.9954, 0.6255, 0.3416



33.4937, 0.4941, 0.4459



12.7567, 0.3287, 0.3330



9.5140, 0.6222, 0.3442



0.6803, 0.5912, 0.3688

Inverse Universe

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



36.2479, 0.2094, 0.2736



54.2543, 0.2092, 0.2730



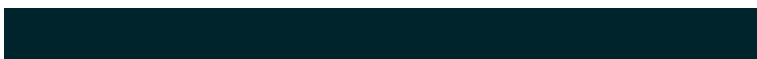
9.3110, 0.1629, 0.1063



13.7339, 0.2983, 0.3250



22.2715, 0.2096, 0.2745



1.4401, 0.2125, 0.2849

Previews

White Background



This preview shows how the Yxy color 15.4079, 0.6242, 0.3426 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 15.4079, 0.6242, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 15.4079, 0.6242, 0.3426.



This preview shows how white text looks on a background with the Yxy color 15.4079, 0.6242, 0.3426.

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

15.4079, 0.6242, 0.3426

Protanopia

15.7285, 0.4275, 0.4741

Deuteranopia

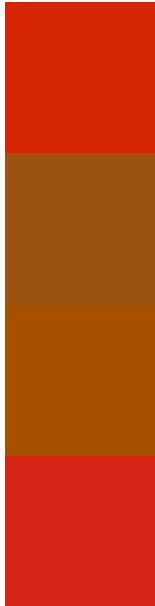
15.5921, 0.4690, 0.4658



Tritanopia

15.3945, 0.6078, 0.3310

Trichromacy



Original Color

15.4079, 0.6242, 0.3426

Protanomaly

13.4490, 0.5199, 0.4118

Deuteranomaly

13.8443, 0.5448, 0.4056

Tritanomaly

15.3987, 0.6161, 0.3368

Monochromacy



Original Color

15.4079, 0.6242, 0.3426

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 15.4079, 0.6242, 0.3426 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(213, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 36, 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(213, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 36, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4079, 0.6242, 0.3426 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(213, 36, 0) }
```

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

```
.border{ border-color:rgb(213, 36, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 36, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 36, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4079, 0.6242, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 36, 0) }
```

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

```
.background{ background-color: rgb(213, 36,  
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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