

Converting Colors

$Y_{xy}(16.4367, 0.6242, 0.3426)$

Have a look what the booklet for
Yxy(16.4367, 0.6242, 0.3426)
contains.

Yxy(16.3832, 0.6244, 0.3424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3832, 0.6244, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	DB2500
RGB	219, 37, 0
RGB Percent	86%, 15%, 0%
CMY	0.1412, 0.8549, 0.9999
CMYK	0.00, 0.83, 1.00, 0.14
HSL	10°, 100%, 43%
HSV	10°, 100%, 86%
XYZ	29.8764, 16.3832, 1.5886
YIQ	87.2000, 120.3490, 27.0770

Conversions

Conversions Part 2

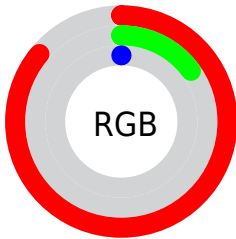
Format	Color
RYB	219, 45, 0
Decimal	14361856
CIELab	47.47, 66.37, 60.57
CIELCh	47, 89.853, 42.381
Yxy	16.3832, 0.6244, 0.3424
Android (android.graphics.Color)	4292551936 (0xFFDB2500)
YUV	87.2000, -42.9896, 115.5886
Hunter-Lab	40.4762, 60.9216, 26.0064

Details

The Yxy color **16.3832, 0.6244, 0.3424** 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 **38.5856, 0.2093, 0.2736**, and the grayscale version is **9.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0483, 0.5493, 0.3652**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.3824, 0.6244, 0.3424**, and if you desaturate by 10%, it is **17.8705, 0.6004, 0.3491**.

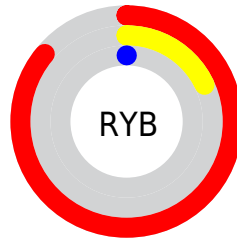
Distribution



Red (86%)

Green (15%)

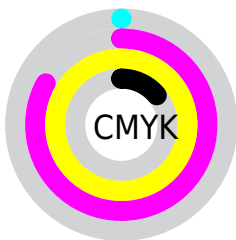
Blue (0%)



Red (86%)

Yellow (18%)

Blue (0%)

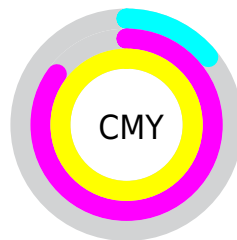


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3832, 0.6244, 0.3424 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 16.3832, 0.6244, 0.3424 by changing the saturation by 10% instead.


 16.3832, 0.6244,
0.3424


 16.3832, 0.6244,
0.3424


 231.5924, 0.4579,
0.3616

 9.7957, 0.6637,
0.3268


 37.2622, 0.5659,
0.3583

 5.2637, 0.7024,
0.2976

 52.3225, 0.5428,
0.3615

 2.4028, 0.7474,
0.2526

 70.9759, 0.5231,
0.3630

 0.8273, 0.8121,
0.1879

 93.6067, 0.5062,
0.3636

 0.0000, 1.0000,
0.0000


 120.5993, 0.4915,
0.3635


 0.0000, 0.0000,
0.0000


 152.3383, 0.4788,

0.3631

 189.2078, 0.4677,
0.3624


 16.3832, 0.6244,
0.3424

 16.3832, 0.6244,
0.3424


 16.3824, 0.6244,
0.3424

 17.8705, 0.6004,
0.3491

 20.0605, 0.5659,
0.3539

 23.0384, 0.5245,
0.3556

 26.8714, 0.4817,
0.3545

 31.6197, 0.4415,
0.3514

■ 37.3375, 0.4060,
0.3472

■ 44.0750, 0.3757,
0.3426

■ 51.8788, 0.3505,
0.3378

■ 60.7927, 0.3298,
0.3333

Harmonies

Analogous

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



16.3832, 0.5764, 0.2632



16.3832, 0.6244, 0.3424



16.3832, 0.5581, 0.4419

Triad

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



16.3832, 0.6244, 0.3424



16.3832, 0.1741, 0.5649



16.3832, 0.1366, 0.1171

Complementary

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



16.3832, 0.6244, 0.3424



38.5856, 0.2093, 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.



16.3832, 0.0883, 0.1272



16.3832, 0.6244, 0.3424



16.3832, 0.0970, 0.3259

Square

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



16.3832, 0.6244, 0.3424



16.3832, 0.2961, 0.6601



16.3832, 0.0752, 0.1820



16.3832, 0.2390, 0.1380

Rectangle

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



16.3832, 0.6244, 0.3424



16.3832, 0.4770, 0.5230



16.3832, 0.0752, 0.1820



16.3832, 0.1157, 0.1169

Sweetspot

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



16.3842, 0.6244, 0.3424



61.9376, 0.3765, 0.3427



18.4601, 0.3687, 0.1805



12.3567, 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.



16.3842, 0.6244, 0.3424



22.9915, 0.6255, 0.3415



35.6232, 0.4942, 0.4458



13.4050, 0.3287, 0.3330



9.8222, 0.6224, 0.3440



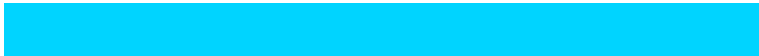
0.7467, 0.5932, 0.3672

Inverse Universe

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



38.5856, 0.2093, 0.2736



54.2811, 0.2092, 0.2731



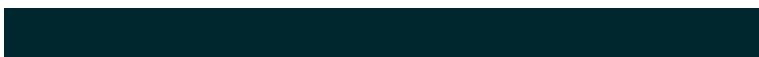
9.8833, 0.1628, 0.1061



14.4358, 0.2982, 0.3250



23.0170, 0.2096, 0.2745



1.5924, 0.2123, 0.2843

Previews

White Background



This preview shows how the Yxy color 16.3832, 0.6244, 0.3424 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 16.3832, 0.6244, 0.3424 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 16.3832, 0.6244, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 16.3832, 0.6244, 0.3424.



This preview shows how white text looks on a background with the Yxy color 16.3832, 0.6244, 0.3424.

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

16.3832, 0.6244, 0.3424

Protanopia

16.7030, 0.4284, 0.4734

Deuteranopia

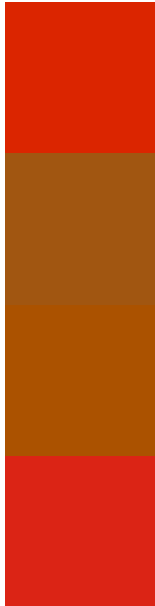
16.5648, 0.4692, 0.4657



Tritanopia

16.3719, 0.6082, 0.3309

Trichromacy



Original Color

16.3832, 0.6244, 0.3424

Protanomaly

14.2731, 0.5219, 0.4110

Deuteranomaly

14.6925, 0.5458, 0.4048

Tritanomaly

16.3760, 0.6163, 0.3366

Monochromacy



Original Color

16.3832, 0.6244, 0.3424

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6830, 0.4692, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3832, 0.6244, 0.3424 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(219, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 37, 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(219, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 37, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3832, 0.6244, 0.3424 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(219, 37, 0) }
```

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

```
.border{ border-color:rgb(219, 37, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 37, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 37, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3832, 0.6244, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 37, 0) }
```

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

```
.background{ background-color: rgb(219, 37,  
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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