

Converting Colors

$Yxy(16.0050, 0.6247, 0.3215)$

Have a look what the booklet for
Yxy(16.0050, 0.6247, 0.3215)
contains.

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Color

Yxy(15.9410, 0.6246, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	E0001E
RGB	224, 0, 30
RGB Percent	88%, 0%, 12%
CMY	0.1217, 0.9992, 0.8824
CMYK	0.00, 1.00, 0.87, 0.12
HSL	352°, 100%, 44%
HSV	352°, 100%, 88%
XYZ	30.9697, 15.9410, 2.6725
YIQ	70.3960, 123.8740, 56.8180

Conversions

Conversions Part 2

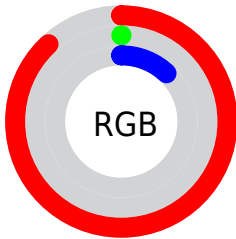
Format	Color
R_{YB}	224, 0, 30
Decimal	14680094
CIE _{Lab}	46.90, 72.95, 50.32
CIE _{LCh}	47, 88.625, 34.596
Yxy	15.9410, 0.6246, 0.3215
Android (android.graphics.Color)	4292870174 (0xFFE0001E)
YUV	70.3960, -19.9152, 134.7107
Hunter-Lab	39.9262, 68.5868, 23.9796

Details

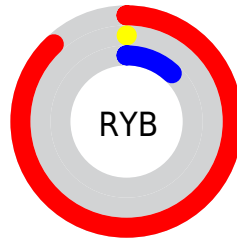
The Yxy color **15.9410, 0.6246, 0.3215** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **57.2044, 0.2366, 0.3717**, and the grayscale version is **6.2335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1082, 0.5405, 0.3403**, and **7.3709, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.9364, 0.6248, 0.3216**, and if you desaturate by 10%, it is **16.6664, 0.5988, 0.3159**.

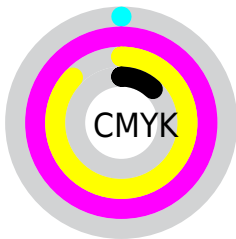
Distribution



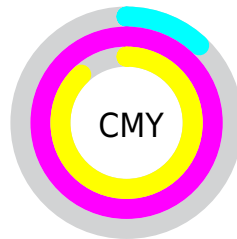
- Red (88%)
- Green (0%)
- Blue (12%)



- Red (88%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9410, 0.6246, 0.3215 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 15.9410, 0.6246, 0.3215 by changing the saturation by 10% instead.


 15.9410, 0.6246,
0.3215


 15.9410, 0.6246,
0.3215


228.9933, 0.4523,
0.3473


 9.4824, 0.6656,
0.3045


 36.4957, 0.5615,
0.3383


 5.0572, 0.7205,
0.2795

 51.3607, 0.5375,
0.3423


 2.2808, 0.7675,
0.2325

 69.7966, 0.5173,
0.3447

 0.7635, 0.8343,
0.1657

 92.1877, 0.5002,
0.3461


 0.0000, 1.0000,
0.0000


 118.9186, 0.4856,
0.3469


 0.0000, 0.0000,
0.0000

 150.3735, 0.4730,

0.3473


 186.9370, 0.4620,
0.3474


 15.9410, 0.6246,
0.3215


 15.9410, 0.6246,
0.3215


 15.9364, 0.6248,
0.3216

 16.6664, 0.5988,
0.3159

 18.1488, 0.5619,
0.3115

 20.6153, 0.5186,
0.3096

 24.1988, 0.4747,
0.3100

 29.0113, 0.4344,
0.3120

■ 35.1513, 0.3995,
0.3151

■ 42.7072, 0.3705,
0.3186

■ 51.7598, 0.3469,
0.3223

■ 62.3839, 0.3279,
0.3258

Harmonies

Analogous

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



15.9410, 0.5398, 0.2437



15.9410, 0.6246, 0.3215



15.9410, 0.5840, 0.4145

Triad

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



15.9410, 0.6246, 0.3215



15.9410, 0.2040, 0.6132



15.9410, 0.1204, 0.1172

Complementary

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



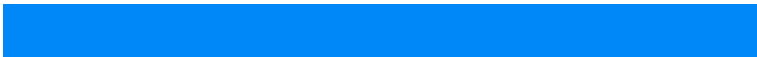
15.9410, 0.6246, 0.3215



57.2044, 0.2366, 0.3717

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.



15.9410, 0.0825, 0.1366



15.9410, 0.6246, 0.3215



15.9410, 0.1117, 0.3834

Square

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



15.9410, 0.6246, 0.3215



15.9410, 0.3316, 0.6460



15.9410, 0.0775, 0.2089



15.9410, 0.2062, 0.1302

Rectangle

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



15.9410, 0.6246, 0.3215



15.9410, 0.5100, 0.4900



15.9410, 0.0775, 0.2089



15.9410, 0.1035, 0.1196

Sweetspot

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



15.9420, 0.6246, 0.3215



56.9604, 0.3714, 0.3185



16.8734, 0.2871, 0.1355



11.2247, 0.3831, 0.3170



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.



15.9420, 0.6246, 0.3215



21.3751, 0.6259, 0.3222



21.9182, 0.5808, 0.3769



13.7301, 0.3271, 0.3259



9.2878, 0.6222, 0.3201



0.6535, 0.5870, 0.3007

Inverse Universe

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



15.9420, 0.6246, 0.3215



21.3751, 0.6259, 0.3222



24.7075, 0.1897, 0.2027



13.7301, 0.3271, 0.3259



9.2878, 0.6222, 0.3201



0.6535, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 15.9410, 0.6246, 0.3215 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 15.9410, 0.6246, 0.3215 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 15.9410, 0.6246, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 15.9410, 0.6246, 0.3215.



This preview shows how white text looks on a background with the Yxy color 15.9410, 0.6246, 0.3215.

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

15.9410, 0.6246, 0.3215

Protanopia

16.4849, 0.4071, 0.4442

Deuteranopia

16.3550, 0.4709, 0.4643



Tritanopia

16.1883, 0.6342, 0.3346

Trichromacy



Original Color

15.9410, 0.6246, 0.3215

Protanomaly

12.4905, 0.5206, 0.3683

Deuteranomaly

12.9291, 0.5651, 0.3817

Tritanomaly

16.0000, 0.6326, 0.3304

Monochromacy



Original Color

15.9410, 0.6246, 0.3215

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.6743, 0.4826, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9410, 0.6246, 0.3215 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, 0, 30)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 30)  
}
```

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, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 30) }
```

Border

The CSS property to change the border of an element to Yxy 15.9410, 0.6246, 0.3215 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, 0, 30) }
```

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

```
.border{ border-color:rgb(224, 0, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9410, 0.6246, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 30) }
```

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

```
.background{ background-color: rgb(224, 0,  
30) }
```

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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