

Converting Colors

$Yxy(16.2364, 0.5906, 0.3027)$

Have a look what the booklet for
Yxy(16.2364, 0.5906, 0.3027)
contains.

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Color

Yxy(16.1735, 0.5902, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	E0003C
RGB	224, 0, 60
RGB Percent	88%, 0%, 24%
CMY	0.1216, 0.9997, 0.7646
CMYK	0.00, 1.00, 0.73, 0.12
HSL	344°, 100%, 44%
HSV	344°, 100%, 88%
XYZ	31.5557, 16.1735, 5.7369
YIQ	73.8160, 114.2440, 66.1480

Conversions

Conversions Part 2

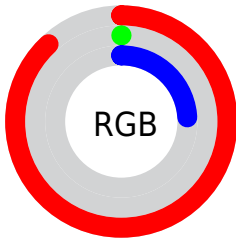
Format	Color
RYB	224, 0, 60
Decimal	14680124
CIELab	47.20, 73.80, 33.99
CIELCh	47, 81.250, 24.729
Yxy	16.1735, 0.5902, 0.3025
Android (android.graphics.Color)	4292870204 (0xFFE0003C)
YUV	73.8160, -6.8113, 131.7114
Hunter-Lab	40.2163, 69.6815, 19.6936

Details

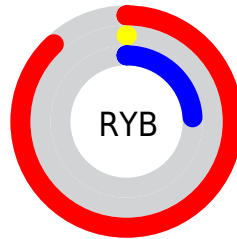
The Yxy color **16.1735, 0.5902, 0.3025** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **55.9910, 0.2498, 0.4193**, and the grayscale version is **6.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8037, 0.5036, 0.3151**, and **7.5206, 0.6237, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **16.1726, 0.5903, 0.3025**, and if you desaturate by 10%, it is **16.9661, 0.5597, 0.2935**.

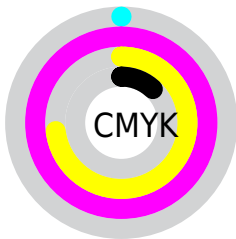
Distribution



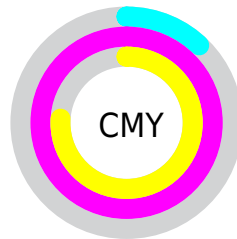
- Red (88%)
- Green (0%)
- Blue (24%)



- Red (88%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1735, 0.5902, 0.3025 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 16.1735, 0.5902, 0.3025 by changing the saturation by 10% instead.


 16.1735, 0.5902,
0.3025


 16.1735, 0.5902,
0.3025


230.3633, 0.4316,
0.3304


 9.6470, 0.6332,
0.2885


 36.8991, 0.5290,
0.3175


 5.1655, 0.6878,
0.2658

 51.8671, 0.5069,
0.3215


 2.3447, 0.7680,
0.2320

 70.4176, 0.4886,
0.3244

 0.7972, 0.8335,
0.1665

 92.9352, 0.4734,
0.3264

 0.0000, 1.0000,
0.0000

 119.8042, 0.4605,
0.3279

 0.0000, 0.0000,
0.0000

 151.4089, 0.4494,

0.3290

188.1338, 0.4399,
0.3298

■ 16.1735, 0.5902,
0.3025

■ 16.1735, 0.5902,
0.3025

■ 16.1726, 0.5903,
0.3025

■ 16.9661, 0.5597,
0.2935

■ 18.5004, 0.5235,
0.2879

■ 21.0016, 0.4851,
0.2867

■ 24.5993, 0.4480,
0.2892

■ 29.4031, 0.4146,
0.2943

■ 35.5089, 0.3858,
0.3008

■ 43.0031, 0.3617,
0.3080

■ 51.9644, 0.3419,
0.3153

■ 62.4658, 0.3258,
0.3224

Harmonies

Analogous

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



16.1735, 0.4711, 0.2272



16.1735, 0.5902, 0.3025



16.1735, 0.5897, 0.3852

Triad

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



16.1735, 0.5902, 0.3025



16.1735, 0.2552, 0.6201



16.1735, 0.1145, 0.1310

Complementary

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



16.1735, 0.5902, 0.3025



55.9910, 0.2498, 0.4193

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.



16.1735, 0.0888, 0.1647



16.1735, 0.5902, 0.3025



16.1735, 0.1494, 0.4524

Square

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



16.1735, 0.5902, 0.3025



16.1735, 0.3816, 0.5988



16.1735, 0.0963, 0.2613



16.1735, 0.1806, 0.1335

Rectangle

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



16.1735, 0.5902, 0.3025



16.1735, 0.5407, 0.4534



16.1735, 0.0963, 0.2613



16.1735, 0.1022, 0.1374

Sweetspot

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



16.1745, 0.5902, 0.3025



57.4229, 0.3622, 0.3078



12.9133, 0.2494, 0.1148



11.3311, 0.3719, 0.3047



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.



16.1745, 0.5902, 0.3025



21.6807, 0.5920, 0.3035



18.0087, 0.6163, 0.3488



13.7605, 0.3250, 0.3227



9.4304, 0.5864, 0.3004



0.6684, 0.5423, 0.2761

Inverse Universe

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



16.1745, 0.5902, 0.3025



21.6807, 0.5920, 0.3035



36.2282, 0.2047, 0.2568



13.7605, 0.3250, 0.3227



9.4304, 0.5864, 0.3004



0.6684, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 16.1735, 0.5902, 0.3025 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 16.1735, 0.5902, 0.3025 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 16.1735, 0.5902, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 16.1735, 0.5902, 0.3025.



This preview shows how white text looks on a background with the Yxy color 16.1735, 0.5902, 0.3025.

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

16.1735, 0.5902, 0.3025

Protanopia

16.8378, 0.3525, 0.3769

Deuteranopia

16.6012, 0.4374, 0.4302



Tritanopia

16.4269, 0.6249, 0.3323

Trichromacy



Original Color

16.1735, 0.5902, 0.3025



Protanomaly

12.5987, 0.4544, 0.3199



Deuteranomaly

13.1621, 0.5216, 0.3513



Tritanomaly

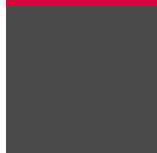
16.1684, 0.6179, 0.3234

Monochromacy



Original Color

16.1735, 0.5902, 0.3025



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.1298, 0.4513, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1735, 0.5902, 0.3025 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 60) }
```

Border

The CSS property to change the border of an element to Yxy 16.1735, 0.5902, 0.3025 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, 60) }
```

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

```
.border{ border-color:rgb(224, 0, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1735, 0.5902, 0.3025 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, 60) }
```

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

```
.background{ background-color: rgb(224, 0,  
60) }
```

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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