

Converting Colors

$Yxy(16.2823, 0.5844, 0.2993)$

Have a look what the booklet for
Yxy(16.2823, 0.5844, 0.2993)
contains.

Yxy(16.2175, 0.5843, 0.2992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.2175, 0.5843, 0.2992)

Conversions

Conversions Part 1

Format	Color
Hex	E00040
RGB	224, 0, 64
RGB Percent	88%, 0%, 25%
CMY	0.1215, 1.0000, 0.7489
CMYK	0.00, 1.00, 0.71, 0.12
HSL	343°, 100%, 44%
HSV	343°, 100%, 88%
XYZ	31.6707, 16.2175, 6.3146
YIQ	74.2720, 112.9600, 67.3920

Conversions

Conversions Part 2

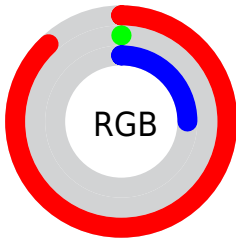
Format	Color
RYB	224, 0, 64
Decimal	14680128
CIELab	47.26, 73.97, 31.65
CIElCh	47, 80.459, 23.165
Yxy	16.2175, 0.5843, 0.2992
Android (android.graphics.Color)	4292870208 (0xFFE00040)
YUV	74.2720, -5.0641, 131.3115
Hunter-Lab	40.2710, 69.9056, 18.8928

Details

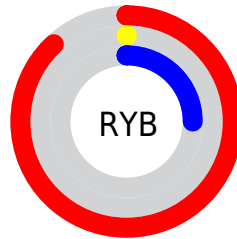
The Yxy color **16.2175, 0.5843, 0.2992** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **55.8591, 0.2516, 0.4259**, and the grayscale version is **6.8942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8899, 0.4983, 0.3113**, and **7.5315, 0.6200, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **16.2206, 0.5843, 0.2992**, and if you desaturate by 10%, it is **17.0190, 0.5537, 0.2901**.

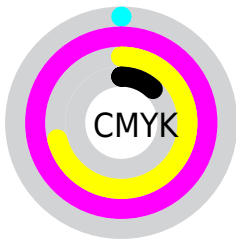
Distribution



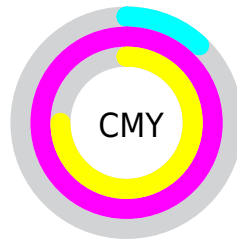
- Red (88%)
- Green (0%)
- Blue (25%)



- Red (88%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2175, 0.5843, 0.2992 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 16.2175, 0.5843, 0.2992 by changing the saturation by 10% instead.


 16.2175, 0.5843,
0.2992


 16.2175, 0.5843,
0.2992


230.6217, 0.4286,
0.3279


 9.6782, 0.6271,
0.2854


 36.9754, 0.5239,
0.3141


 5.1861, 0.6820,
0.2633

 51.9628, 0.5022,
0.3183


 2.3569, 0.7681,
0.2319

 70.5349, 0.4843,
0.3213

 0.8036, 0.8334,
0.1666

 93.0763, 0.4694,
0.3234

 0.0000, 1.0000,
0.0000

 119.9713, 0.4568,
0.3250

 0.0000, 0.0000,
0.0000

 151.6042, 0.4460,

0.3263

188.3596, 0.4367,
0.3272

■ 16.2175, 0.5843,
0.2992

■ 16.2175, 0.5843,
0.2992

■ 16.2206, 0.5843,
0.2992

■ 17.0190, 0.5537,
0.2901

■ 18.5569, 0.5181,
0.2845

■ 21.0593, 0.4806,
0.2836

■ 24.6555, 0.4445,
0.2864

■ 29.4548, 0.4120,
0.2919

■ 35.5530, 0.3840,
0.2989

■ 43.0362, 0.3605,
0.3066

■ 51.9831, 0.3413,
0.3144

■ 62.4665, 0.3255,
0.3219

Harmonies

Analogous

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



16.2175, 0.4611, 0.2244



16.2175, 0.5843, 0.2992



16.2175, 0.5904, 0.3811

Triad

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



16.2175, 0.5843, 0.2992



16.2175, 0.2627, 0.6202



16.2175, 0.1136, 0.1331

Complementary

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



16.2175, 0.5843, 0.2992



55.8591, 0.2516, 0.4259

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.



16.2175, 0.0897, 0.1692



16.2175, 0.5843, 0.2992



16.2175, 0.1553, 0.4624

Square

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



16.2175, 0.5843, 0.2992



16.2175, 0.3887, 0.5921



16.2175, 0.0992, 0.2698



16.2175, 0.1769, 0.1339

Rectangle

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



16.2175, 0.5843, 0.2992



16.2175, 0.5439, 0.4475



16.2175, 0.0992, 0.2698



16.2175, 0.1019, 0.1402

Sweetspot

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



16.2206, 0.5843, 0.2992



57.4872, 0.3610, 0.3064



12.5321, 0.2454, 0.1125



11.3460, 0.3705, 0.3031



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.



16.2206, 0.5843, 0.2992



21.7394, 0.5860, 0.3002



17.7120, 0.6194, 0.3464



13.7646, 0.3247, 0.3223



9.4570, 0.5804, 0.2971



0.6707, 0.5362, 0.2727

Inverse Universe

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



16.2206, 0.5843, 0.2992



21.7394, 0.5860, 0.3002



37.7091, 0.2063, 0.2626



13.7646, 0.3247, 0.3223



9.4570, 0.5804, 0.2971



0.6707, 0.5362, 0.2727

Previews

White Background



This preview shows how the Yxy color 16.2175, 0.5843, 0.2992 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 16.2175, 0.5843, 0.2992 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 16.2175, 0.5843, 0.2992

Background



This preview shows how black text looks on a background with the Yxy color 16.2175, 0.5843, 0.2992.



This preview shows how white text looks on a background with the Yxy color 16.2175, 0.5843, 0.2992.

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

16.2175, 0.5843, 0.2992

Protanopia

16.8539, 0.3446, 0.3670

Deuteranopia

16.8570, 0.4309, 0.4249



Tritanopia

16.4773, 0.6233, 0.3321

Trichromacy



Original Color

16.2175, 0.5843, 0.2992



Protanomaly

12.6743, 0.4450, 0.3119



Deuteranomaly

13.2096, 0.5139, 0.3453



Tritanomaly

16.2162, 0.6149, 0.3222

Monochromacy



Original Color

16.2175, 0.5843, 0.2992



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.1424, 0.4488, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2175, 0.5843, 0.2992 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 64) }
```

Border

The CSS property to change the border of an element to Yxy 16.2175, 0.5843, 0.2992 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, 64) }
```

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

```
.border{ border-color:rgb(224, 0, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2175, 0.5843, 0.2992 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, 64) }
```

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

```
.background{ background-color: rgb(224, 0,  
64) }
```

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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