

Converting Colors

$Y_{xy}(15.6633, 0.5635, 0.2945)$

Have a look what the booklet for
Yxy(15.6633, 0.5635, 0.2945)
contains.

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Color

Yxy(15.6853, 0.5634, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	D91348
RGB	217, 19, 72
RGB Percent	85%, 7%, 28%
CMY	0.1490, 0.9253, 0.7176
CMYK	0.00, 0.91, 0.67, 0.15
HSL	344°, 84%, 46%
HSV	344°, 91%, 85%
XYZ	30.0173, 15.6853, 7.5763
YIQ	84.2440, 100.9950, 58.4590

Conversions

Conversions Part 2

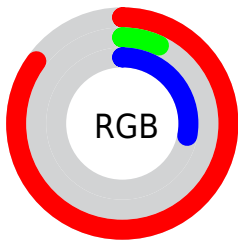
Format	Color
RYB	217, 19, 72
Decimal	14226248
CIELab	46.56, 70.85, 25.60
CIElCh	47, 75.331, 19.866
Yxy	15.6853, 0.5634, 0.2944
Android (android.graphics.Color)	4292416328 (0xFFD91348)
YUV	84.2440, -6.0363, 116.4270
Hunter-Lab	39.6047, 65.9812, 16.3813

Details

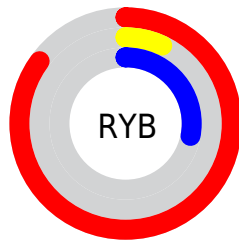
The Yxy color **15.6853, 0.5634, 0.2944** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **52.4448, 0.2487, 0.4103**, and the grayscale version is **8.9206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6215, 0.4845, 0.3051**, and **6.9587, 0.6076, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **15.0573, 0.5899, 0.3023**, and if you desaturate by 10%, it is **17.0221, 0.5278, 0.2884**.

Distribution



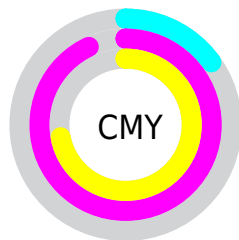
- Red (85%)
- Green (7%)
- Blue (28%)



- Red (85%)
- Yellow (7%)
- Blue (28%)



- Cyan (0%)
- Magenta (91%)
- Yellow (67%)
- Black (15%)





- Cyan (15%)
- Magenta (93%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6853, 0.5634, 0.2944 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 15.6853, 0.5634, 0.2944 by changing the saturation by 10% instead.


 15.6853, 0.5634,
0.2944


 15.6853, 0.5634,
0.2944


227.4775, 0.4177,
0.3233


 9.3017, 0.6053,
0.2815


 36.0510, 0.5059,
0.3087


 4.9385, 0.6606,
0.2609

 50.8019, 0.4856,
0.3128


 2.2112, 0.7476,
0.2308

 69.1108, 0.4690,
0.3159

 0.7261, 0.8326,
0.1674

 91.3619, 0.4552,
0.3182

 0.0000, 1.0000,
0.0000

 117.9398, 0.4436,
0.3199

 0.0000, 0.0000,
0.0000

 149.2287, 0.4337,

0.3213

185.6132, 0.4252,
0.3224

■ 15.6853, 0.5634,
0.2944

■ 15.6853, 0.5634,
0.2944

■ 15.0573, 0.5899,
0.3023

■ 17.0221, 0.5278,
0.2884

■ 19.2397, 0.4895,
0.2867

■ 22.4620, 0.4521,
0.2888

■ 26.7918, 0.4182,
0.2936

■ 32.3194, 0.3889,
0.3000

 39.1254, 0.3643,
0.3072

 47.2836, 0.3441,
0.3145

 56.8621, 0.3276,
0.3215

 67.9245, 0.3142,
0.3282

Harmonies

Analogous

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



15.6853, 0.4367, 0.2216



15.6853, 0.5634, 0.2944



15.6853, 0.5845, 0.3742

Triad

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



15.6853, 0.5634, 0.2944



15.6853, 0.2813, 0.6086



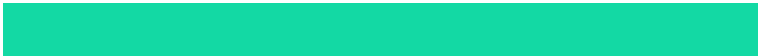
15.6853, 0.1159, 0.1419

Complementary

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



15.6853, 0.5634, 0.2944



52.4448, 0.2487, 0.4103

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.



15.6853, 0.0961, 0.1834



15.6853, 0.5634, 0.2944



15.6853, 0.1727, 0.4769

Square

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



15.6853, 0.5634, 0.2944



15.6853, 0.4034, 0.5725



15.6853, 0.1106, 0.2904



15.6853, 0.1733, 0.1389

Rectangle

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



15.6853, 0.5634, 0.2944



15.6853, 0.5456, 0.4358



15.6853, 0.1106, 0.2904



15.6853, 0.1056, 0.1505

Sweetspot

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



15.6863, 0.5634, 0.2944



60.8281, 0.3558, 0.3101



13.0444, 0.2560, 0.1217



12.1930, 0.3632, 0.3076



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.



15.6863, 0.5634, 0.2944



21.6800, 0.5920, 0.3035



18.2362, 0.5945, 0.3560



13.1085, 0.3250, 0.3228



9.1303, 0.5863, 0.3003



0.6058, 0.5393, 0.2745

Inverse Universe

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



15.6863, 0.5634, 0.2944



21.6800, 0.5920, 0.3035



35.4618, 0.2079, 0.2638



13.1085, 0.3250, 0.3228



9.1303, 0.5863, 0.3003



0.6058, 0.5393, 0.2745

Previews

White Background



This preview shows how the Yxy color 15.6853, 0.5634, 0.2944 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 15.6853, 0.5634, 0.2944 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 15.6853, 0.5634, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 15.6853, 0.5634, 0.2944.



This preview shows how white text looks on a background with the Yxy color 15.6853, 0.5634, 0.2944.

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

15.6853, 0.5634, 0.2944

Protanopia

16.0336, 0.3257, 0.3412

Deuteranopia

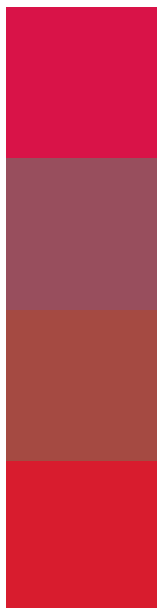
15.8901, 0.4165, 0.4091



Tritanopia

15.7856, 0.6102, 0.3309

Trichromacy



Original Color

15.6853, 0.5634, 0.2944

Protanomaly

12.9145, 0.4154, 0.3040

Deuteranomaly

13.2902, 0.4864, 0.3411

Tritanomaly

15.6267, 0.5975, 0.3195

Monochromacy



Original Color

15.6853, 0.5634, 0.2944

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7164, 0.4207, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6853, 0.5634, 0.2944 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(217, 19, 72)` looks like.

```
.text, #text, p{  
    color:rgb(217, 19, 72)  
}
```

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(217, 19, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 19, 72) }
```

Border

The CSS property to change the border of an element to Yxy 15.6853, 0.5634, 0.2944 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(217, 19, 72) }
```

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

```
.border{ border-color:rgb(217, 19, 72) }
```

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

Here you see how a box with a 4 pixel rgb(217, 19, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 19, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 19, 72);  
box-shadow:4px 4px 4px 4px rgb(217, 19,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6853, 0.5634, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 19, 72) }
```

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

```
.background{ background-color: rgb(217, 19,  
72) }
```

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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