

Converting Colors

$Y_{xy}(16.2411, 0.5658, 0.2994)$

Have a look what the booklet for
Yxy(16.2411, 0.5658, 0.2994)
contains.

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Color

Yxy(16.2411, 0.5658, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	DB1A46
RGB	219, 26, 70
RGB Percent	86%, 10%, 27%
CMY	0.1411, 0.8982, 0.7255
CMYK	0.00, 0.88, 0.68, 0.14
HSL	346°, 79%, 48%
HSV	346°, 88%, 86%
XYZ	30.6921, 16.2411, 7.3123
YIQ	88.7230, 100.9040, 54.6000

Conversions

Conversions Part 2

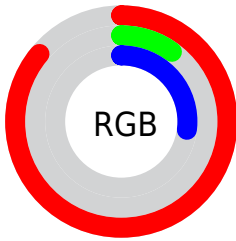
Format	Color
RYB	219, 26, 70
Decimal	14359110
CIELab	47.29, 70.23, 27.82
CIElCh	47, 75.543, 21.613
Yxy	16.2411, 0.5658, 0.2994
Android (android.graphics.Color)	4292549190 (0xFFDB1A46)
YUV	88.7230, -9.2304, 114.2529
Hunter-Lab	40.3002, 65.4176, 17.4523

Details

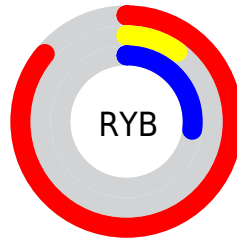
The Yxy color **16.2411, 0.5658, 0.2994** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.9847, 0.2451, 0.3950**, and the grayscale version is **9.9262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1174, 0.4855, 0.3097**, and **7.1518, 0.6101, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **15.4087, 0.5970, 0.3076**, and if you desaturate by 10%, it is **17.8523, 0.5279, 0.2946**.

Distribution



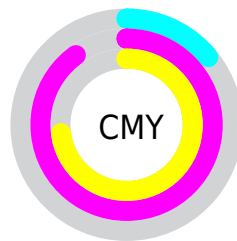
- Red (86%)
- Green (10%)
- Blue (27%)



- Red (86%)
- Yellow (10%)
- Blue (27%)



- Cyan (0%)
- Magenta (88%)
- Yellow (68%)
- Black (14%)





- Cyan (14%)
- Magenta (90%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2411, 0.5658, 0.2994 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 16.2411, 0.5658, 0.2994 by changing the saturation by 10% instead.


 16.2411, 0.5658,
0.2994


 16.2411, 0.5658,
0.2994


230.7602, 0.4196,
0.3261


 9.6949, 0.6072,
0.2869


 37.0163, 0.5084,
0.3130


 5.1972, 0.6614,
0.2669

 52.0140, 0.4881,
0.3168


 2.3634, 0.7479,
0.2381

 70.5978, 0.4714,
0.3196

 0.8070, 0.8239,
0.1761

 93.1519, 0.4575,
0.3216

 0.0000, 1.0000,
0.0000

 120.0609, 0.4458,
0.3232

 0.0000, 0.0000,
0.0000

 151.7089, 0.4358,

0.3244

188.4806, 0.4272,
0.3253

■ 16.2411, 0.5658,
0.2994

■ 16.2411, 0.5658,
0.2994

■ 15.4087, 0.5970,
0.3076

■ 17.8523, 0.5279,
0.2946

■ 15.2925, 0.6021,
0.3091

■ 20.4099, 0.4876,
0.2937

■ 24.0337, 0.4489,
0.2960

■ 28.8253, 0.4143,
0.3004

■ 34.8742, 0.3847,
0.3061

■ 42.2610, 0.3601,
0.3123

■ 51.0599, 0.3400,
0.3185

■ 61.3394, 0.3237,
0.3244

■ 73.1635, 0.3105,
0.3300

Harmonies

Analogous

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



16.2411, 0.4448, 0.2263



16.2411, 0.5658, 0.2994



16.2411, 0.5808, 0.3796

Triad

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



16.2411, 0.5658, 0.2994



16.2411, 0.2751, 0.6032



16.2411, 0.1192, 0.1419

Complementary

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



16.2411, 0.5658, 0.2994



53.9847, 0.2451, 0.3950

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.



16.2411, 0.0975, 0.1806



16.2411, 0.5658, 0.2994



16.2411, 0.1688, 0.4641

Square

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



16.2411, 0.5658, 0.2994



16.2411, 0.3963, 0.5757



16.2411, 0.1099, 0.2824



16.2411, 0.1790, 0.1407

Rectangle

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



16.2411, 0.5658, 0.2994



16.2411, 0.5396, 0.4416



16.2411, 0.1099, 0.2824



16.2411, 0.1082, 0.1498

Sweetspot

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



16.2421, 0.5658, 0.2994



61.8775, 0.3559, 0.3135



14.8480, 0.2691, 0.1305



12.3888, 0.3637, 0.3113



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.



16.2421, 0.5658, 0.2994



21.5672, 0.6040, 0.3101



20.5074, 0.5747, 0.3673



13.0999, 0.3256, 0.3237



9.0801, 0.5986, 0.3071



0.6015, 0.5523, 0.2816

Inverse Universe

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



16.2421, 0.5658, 0.2994



21.5672, 0.6040, 0.3101



33.1688, 0.2051, 0.2507



13.0999, 0.3256, 0.3237



9.0801, 0.5986, 0.3071



0.6015, 0.5523, 0.2816

Previews

White Background



This preview shows how the Yxy color 16.2411, 0.5658, 0.2994 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 16.2411, 0.5658, 0.2994 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 16.2411, 0.5658, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 16.2411, 0.5658, 0.2994.

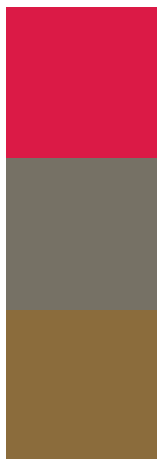


This preview shows how white text looks on a background with the Yxy color 16.2411, 0.5658, 0.2994.

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

16.2411, 0.5658, 0.2994

Protanopia

16.6014, 0.3345, 0.3531

Deuteranopia

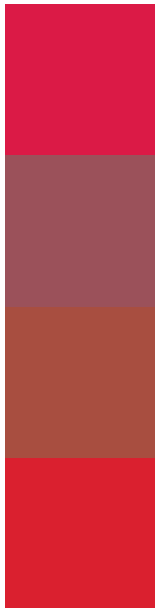
16.5403, 0.4212, 0.4141



Tritanopia

16.2827, 0.6064, 0.3310

Trichromacy



Original Color

16.2411, 0.5658, 0.2994

Protanomaly

13.5916, 0.4235, 0.3144

Deuteranomaly

14.1438, 0.4891, 0.3494

Tritanomaly

16.1437, 0.5951, 0.3209

Monochromacy



Original Color

16.2411, 0.5658, 0.2994

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.7399, 0.4191, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2411, 0.5658, 0.2994 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, 26, 70)` looks like.

```
.text, #text, p{  
    color:rgb(219, 26, 70)  
}
```

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, 26, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 26, 70) }
```

Border

The CSS property to change the border of an element to Yxy 16.2411, 0.5658, 0.2994 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, 26, 70) }
```

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

```
.border{ border-color:rgb(219, 26, 70) }
```

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

Here you see how a box with a 4 pixel rgb(219, 26, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 26, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 26, 70);  
box-shadow:4px 4px 4px 4px rgb(219, 26,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2411, 0.5658, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 26, 70) }
```

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

```
.background{ background-color: rgb(219, 26,  
70) }
```

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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