

Converting Colors

$Yxy(15.1186, 0.5726, 0.2785)$

Have a look what the booklet for
Yxy(15.1186, 0.5726, 0.2785)
contains.

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Color

Yxy(16.2098, 0.5643, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	DF004C
RGB	223, 0, 76
RGB Percent	87%, 0%, 30%
CMY	0.1254, 1.0000, 0.7019
CMYK	0.00, 1.00, 0.66, 0.13
HSL	340°, 100%, 44%
HSV	340°, 100%, 87%
XYZ	31.7390, 16.2098, 8.2961
YIQ	75.3410, 108.5120, 70.9120

Conversions

Conversions Part 2

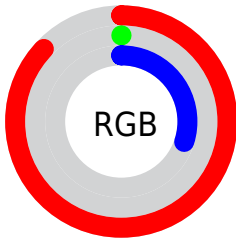
Format	Color
R_{YB}	223, 0, 76
Decimal	14614604
CIE _{Lab}	47.25, 74.26, 24.26
CIE _{LCh}	47, 78.127, 18.091
Yxy	16.2098, 0.5643, 0.2882
Android (android.graphics.Color)	4292804684 (0xFFDF004C)
YUV	75.3410, 0.3249, 129.4969
Hunter-Lab	40.2614, 70.2584, 15.9659

Details

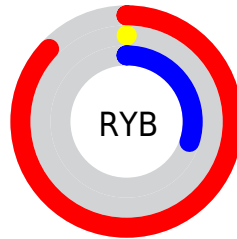
The Yxy color **16.2098, 0.5643, 0.2882** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **54.8878, 0.2572, 0.4460**, and the grayscale version is **7.0864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1974, 0.4807, 0.2985**, and **7.4807, 0.6030, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **16.2118, 0.5643, 0.2882**, and if you desaturate by 10%, it is **17.0256, 0.5342, 0.2790**.

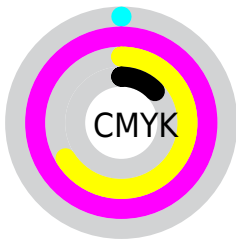
Distribution



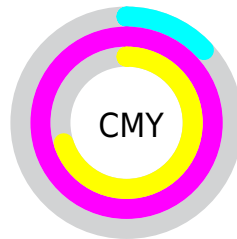
- Red (87%)
- Green (0%)
- Blue (30%)



- Red (87%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2098, 0.5643, 0.2882 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 16.2098, 0.5643, 0.2882 by changing the saturation by 10% instead.


 16.2098, 0.5643,
0.2882


 16.2098, 0.5643,
0.2882


230.5765, 0.4188,
0.3201


 9.6727, 0.6059,
0.2749


 36.9620, 0.5070,
0.3034


 5.1825, 0.6608,
0.2542

 51.9460, 0.4868,
0.3080


 2.3547, 0.7410,
0.2228

 70.5144, 0.4702,
0.3114

 0.8025, 0.8342,
0.1658

 93.0516, 0.4564,
0.3140

 0.0000, 1.0000,
0.0000

 119.9420, 0.4448,
0.3160

 0.0000, 0.0000,
0.0000

 151.5701, 0.4349,

0.3177

188.3201, 0.4263,
0.3190

■ 16.2098, 0.5643,
0.2882

■ 16.2098, 0.5643,
0.2882

■ 16.2118, 0.5643,
0.2882

■ 17.0256, 0.5342,
0.2790

■ 18.5648, 0.5007,
0.2740

■ 21.0514, 0.4662,
0.2739

■ 24.6126, 0.4333,
0.2779

■ 29.3556, 0.4038,
0.2847

■ 35.3746, 0.3783,
0.2931

■ 42.7540, 0.3569,
0.3023

■ 51.5711, 0.3391,
0.3116

■ 61.8974, 0.3246,
0.3206

Harmonies

Analogous

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



16.2098, 0.4298, 0.2154



16.2098, 0.5643, 0.2882



16.2098, 0.5914, 0.3679

Triad

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



16.2098, 0.5643, 0.2882



16.2098, 0.2862, 0.6183



16.2098, 0.1107, 0.1398

Complementary

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



16.2098, 0.5643, 0.2882



54.8878, 0.2572, 0.4460

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.



16.2098, 0.0926, 0.1843



16.2098, 0.5643, 0.2882



16.2098, 0.1746, 0.4931

Square

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



16.2098, 0.5643, 0.2882



16.2098, 0.4107, 0.5715



16.2098, 0.1091, 0.2980



16.2098, 0.1659, 0.1351

Rectangle

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



16.2098, 0.5643, 0.2882



16.2098, 0.5538, 0.4296



16.2098, 0.1091, 0.2980



16.2098, 0.1010, 0.1493

Sweetspot

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



16.2118, 0.5643, 0.2882



57.6874, 0.3573, 0.3021



11.3442, 0.2335, 0.1060



11.3926, 0.3660, 0.2982



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.



16.2118, 0.5643, 0.2882



21.9468, 0.5662, 0.2892



16.8027, 0.6273, 0.3401



13.7773, 0.3239, 0.3210



9.5502, 0.5603, 0.2860



0.6783, 0.5171, 0.2622

Inverse Universe

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



16.2118, 0.5643, 0.2882



21.9468, 0.5662, 0.2892



41.9647, 0.2111, 0.2800



13.7773, 0.3239, 0.3210



9.5502, 0.5603, 0.2860



0.6783, 0.5171, 0.2622

Previews

White Background



This preview shows how the Yxy color 16.2098, 0.5643, 0.2882 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 16.2098, 0.5643, 0.2882 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 16.2098, 0.5643, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 16.2098, 0.5643, 0.2882.



This preview shows how white text looks on a background with the Yxy color 16.2098, 0.5643, 0.2882.

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

16.2098, 0.5643, 0.2882

Protanopia

16.6931, 0.3179, 0.3310

Deuteranopia

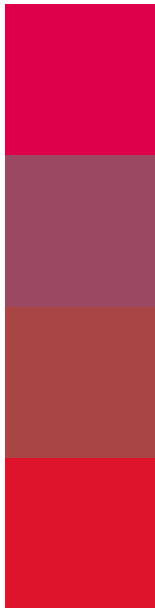
16.8196, 0.4128, 0.4061



Tritanopia

16.5887, 0.6160, 0.3317

Trichromacy



Original Color

16.2098, 0.5643, 0.2882

Protanomaly

12.5041, 0.4124, 0.2851

Deuteranomaly

13.2445, 0.4908, 0.3281

Tritanomaly

16.2194, 0.6042, 0.3177

Monochromacy



Original Color

16.2098, 0.5643, 0.2882

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.2890, 0.4355, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2098, 0.5643, 0.2882 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(223, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 76)  
}
```

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(223, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 76) }
```

Border

The CSS property to change the border of an element to Yxy 16.2098, 0.5643, 0.2882 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(223, 0, 76) }
```

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

```
.border{ border-color:rgb(223, 0, 76) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2098, 0.5643, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 76) }
```

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

```
.background{ background-color: rgb(223, 0,  
76) }
```

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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