

Converting Colors

$Yxy(16.0313, 0.5631, 0.2876)$

Have a look what the booklet for
Yxy(16.0313, 0.5631, 0.2876)
contains.

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Color

Yxy(16.0514, 0.5636, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	DE004C
RGB	222, 0, 76
RGB Percent	87%, 0%, 30%
CMY	0.1295, 0.9990, 0.7020
CMYK	0.00, 1.00, 0.66, 0.13
HSL	340°, 100%, 44%
HSV	340°, 100%, 87%
XYZ	31.4226, 16.0514, 8.2794
YIQ	75.0420, 107.9160, 70.7000

Conversions

Conversions Part 2

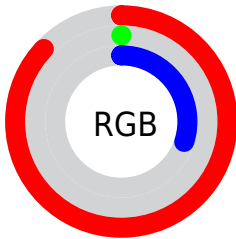
Format	Color
R_{YB}	222, 0, 76
Decimal	14549068
CIE Lab	47.04, 74.00, 23.96
CIE LCh	47, 77.781, 17.943
Yxy	16.0514, 0.5636, 0.2879
Android (android.graphics.Color)	4292739148 (0xFFDE004C)
YUV	75.0420, 0.4723, 128.8822
Hunter-Lab	40.0642, 69.8864, 15.7925

Details

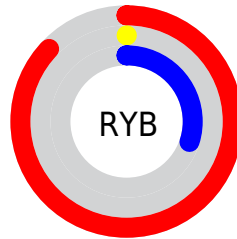
The Yxy color **16.0514, 0.5636, 0.2879** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **54.3118, 0.2573, 0.4461**, and the grayscale version is **7.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1974, 0.4807, 0.2985**, and **7.3789, 0.6025, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **16.0448, 0.5639, 0.2880**, and if you desaturate by 10%, it is **16.8648, 0.5335, 0.2787**.

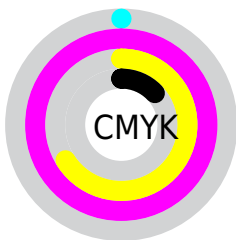
Distribution



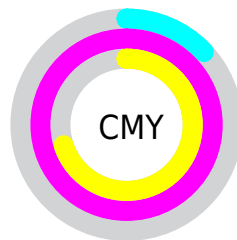
- Red (87%)
- Green (0%)
- Blue (30%)



- 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 16.0514, 0.5636, 0.2879 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 16.0514, 0.5636, 0.2879 by changing the saturation by 10% instead.


 16.0514, 0.5636,
0.2879


 16.0514, 0.5636,
0.2879


229.6448, 0.4183,
0.3199


 9.5605, 0.6053,
0.2746


 36.6874, 0.5063,
0.3031


 5.1086, 0.6604,
0.2538

 51.6014, 0.4861,
0.3077


 2.3111, 0.7413,
0.2223

 70.0918, 0.4695,
0.3111

 0.7796, 0.8355,
0.1645

 92.5431, 0.4558,
0.3138

 0.0000, 1.0000,
0.0000

 119.3396, 0.4442,
0.3158

 0.0000, 0.0000,
0.0000

 150.8658, 0.4343,

0.3175

187.5061, 0.4257,
0.3188

■ 16.0514, 0.5636,
0.2879

■ 16.0514, 0.5636,
0.2879

■ 16.0448, 0.5639,
0.2880

■ 16.8648, 0.5335,
0.2787

■ 18.3993, 0.5000,
0.2738

■ 20.8724, 0.4655,
0.2738

■ 24.4097, 0.4328,
0.2778

■ 29.1168, 0.4034,
0.2847

■ 35.0868, 0.3780,
0.2932

■ 42.4031, 0.3566,
0.3024

■ 51.1420, 0.3389,
0.3117

■ 61.3739, 0.3244,
0.3206

Harmonies

Analogous

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



16.0514, 0.4289, 0.2152



16.0514, 0.5636, 0.2879



16.0514, 0.5913, 0.3675

Triad

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



16.0514, 0.5636, 0.2879



16.0514, 0.2869, 0.6181



16.0514, 0.1107, 0.1401

Complementary

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



16.0514, 0.5636, 0.2879



54.3118, 0.2573, 0.4461

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.



16.0514, 0.0927, 0.1848



16.0514, 0.5636, 0.2879



16.0514, 0.1753, 0.4939

Square

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



16.0514, 0.5636, 0.2879



16.0514, 0.4114, 0.5709



16.0514, 0.1095, 0.2989



16.0514, 0.1656, 0.1352

Rectangle

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



16.0514, 0.5636, 0.2879



16.0514, 0.5540, 0.4291



16.0514, 0.1095, 0.2989



16.0514, 0.1011, 0.1496

Sweetspot

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



16.0524, 0.5636, 0.2879



57.6904, 0.3573, 0.3021



11.2403, 0.2336, 0.1061



11.3933, 0.3659, 0.2981



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.



16.0524, 0.5636, 0.2879



21.9501, 0.5658, 0.2891



16.6417, 0.6271, 0.3402



13.7774, 0.3239, 0.3210



9.5517, 0.5600, 0.2859



0.6785, 0.5168, 0.2621

Inverse Universe

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



16.0524, 0.5636, 0.2879



21.9501, 0.5658, 0.2891



41.5461, 0.2112, 0.2801



13.7774, 0.3239, 0.3210



9.5517, 0.5600, 0.2859



0.6785, 0.5168, 0.2621

Previews

White Background



This preview shows how the Yxy color 16.0514, 0.5636, 0.2879 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 16.0514, 0.5636, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

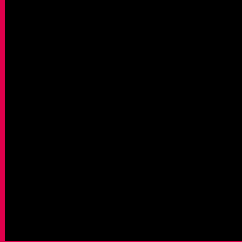
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0514, 0.5636, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 16.0514, 0.5636, 0.2879.



This preview shows how white text looks on a background with the Yxy color 16.0514, 0.5636, 0.2879.

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

16.0514, 0.5636, 0.2879

Protanopia

16.6931, 0.3179, 0.3310

Deuteranopia

16.5217, 0.4124, 0.4049



Tritanopia

16.4313, 0.6158, 0.3317

Trichromacy



Original Color

16.0514, 0.5636, 0.2879



Protanomaly

12.5041, 0.4124, 0.2851



Deuteranomaly

13.1335, 0.4896, 0.3281



Tritanomaly

16.0619, 0.6039, 0.3176

Monochromacy



Original Color

16.0514, 0.5636, 0.2879



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.2111, 0.4336, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0514, 0.5636, 0.2879 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(222, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 76) }
```

Border

The CSS property to change the border of an element to Yxy 16.0514, 0.5636, 0.2879 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(222, 0, 76) }
```

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

```
.border{ border-color:rgb(222, 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(222, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0514, 0.5636, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 76) }
```

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

```
.background{ background-color: rgb(222, 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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