

Converting Colors

$Yxy(16.0624, 0.5593, 0.2855)$

Have a look what the booklet for
Yxy(16.0624, 0.5593, 0.2855)
contains.

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Color

Yxy(16.0797, 0.5602, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	DE004E
RGB	222, 0, 78
RGB Percent	87%, 0%, 31%
CMY	0.1295, 0.9994, 0.6942
CMYK	0.00, 1.00, 0.65, 0.13
HSL	339°, 100%, 44%
HSV	339°, 100%, 87%
XYZ	31.4960, 16.0797, 8.6471
YIQ	75.2700, 107.2740, 71.3220

Conversions

Conversions Part 2

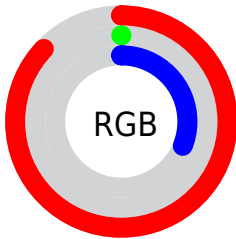
Format	Color
RYB	222, 0, 78
Decimal	14549070
CIELab	47.08, 74.11, 22.79
CIElCh	47, 77.533, 17.094
Yxy	16.0797, 0.5602, 0.2860
Android (android.graphics.Color)	4292739150 (0xFFDE004E)
YUV	75.2700, 1.3459, 128.6822
Hunter-Lab	40.0995, 70.0279, 15.2844

Details

The Yxy color **16.0797, 0.5602, 0.2860** 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 **54.2555, 0.2582, 0.4495**, and the grayscale version is **7.0864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2745, 0.4765, 0.2955**, and **7.3904, 0.5989, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **16.0759, 0.5604, 0.2861**, and if you desaturate by 10%, it is **16.8946, 0.5303, 0.2768**.

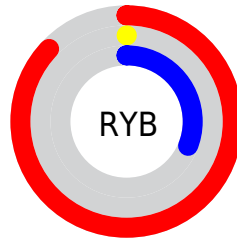
Distribution



Red (87%)

Green (0%)

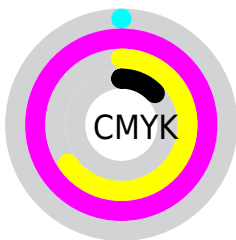
Blue (31%)



Red (87%)

Yellow (0%)

Blue (31%)

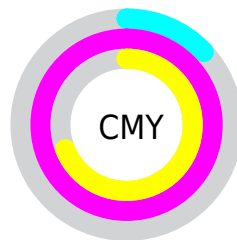


Cyan (0%)

Magenta (100%)

Yellow (65%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0797, 0.5602, 0.2860 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 16.0797, 0.5602, 0.2860 by changing the saturation by 10% instead.


 16.0797, 0.5602,
0.2860


 16.0797, 0.5602,
0.2860


229.8116, 0.4168,
0.3186


 9.5806, 0.6015,
0.2727


 36.7365, 0.5036,
0.3013


 5.1218, 0.6564,
0.2522

 51.6630, 0.4836,
0.3060

 2.3189, 0.7354,
0.2204

 70.1674, 0.4673,
0.3095

 0.7837, 0.8354,
0.1646

 92.6340, 0.4537,
0.3122

 0.0000, 1.0000,
0.0000

 119.4474, 0.4423,
0.3143

 0.0000, 0.0000,
0.0000

 150.9918, 0.4325,

0.3161

187.6518, 0.4241,
0.3175

■ 16.0797, 0.5602,
0.2860

■ 16.0797, 0.5602,
0.2860

■ 16.0759, 0.5604,
0.2861

■ 16.8946, 0.5303,
0.2768

■ 18.4277, 0.4972,
0.2720

■ 20.8981, 0.4633,
0.2721

■ 24.4309, 0.4311,
0.2764

■ 29.1320, 0.4021,
0.2835

■ 35.0944, 0.3771,
0.2922

■ 42.4013, 0.3561,
0.3016

■ 51.1291, 0.3386,
0.3112

■ 61.3483, 0.3243,
0.3204

Harmonies

Analogous

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



16.0797, 0.4239, 0.2137



16.0797, 0.5602, 0.2860



16.0797, 0.5913, 0.3653

Triad

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



16.0797, 0.5602, 0.2860



16.0797, 0.2907, 0.6176



16.0797, 0.1102, 0.1412

Complementary

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



16.0797, 0.5602, 0.2860



54.2555, 0.2582, 0.4495

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.



16.0797, 0.0932, 0.1873



16.0797, 0.5602, 0.2860



16.0797, 0.1785, 0.4988

Square

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



16.0797, 0.5602, 0.2860



16.0797, 0.4149, 0.5676



16.0797, 0.1111, 0.3037



16.0797, 0.1638, 0.1354

Rectangle

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



16.0797, 0.5602, 0.2860



16.0797, 0.5556, 0.4263



16.0797, 0.1111, 0.3037



16.0797, 0.1009, 0.1511

Sweetspot

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



16.0807, 0.5602, 0.2860



57.7242, 0.3567, 0.3013



10.9086, 0.2297, 0.1039



11.4012, 0.3652, 0.2973



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.



16.0807, 0.5602, 0.2860



21.9890, 0.5623, 0.2871



16.4430, 0.6293, 0.3384



13.7796, 0.3237, 0.3208



9.5691, 0.5565, 0.2839



0.6798, 0.5136, 0.2603

Inverse Universe

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



16.0807, 0.5602, 0.2860



21.9890, 0.5623, 0.2871



43.1537, 0.2127, 0.2858



13.7796, 0.3237, 0.3208



9.5691, 0.5565, 0.2839



0.6798, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 16.0797, 0.5602, 0.2860 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 16.0797, 0.5602, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

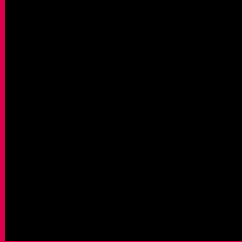
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0797, 0.5602, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 16.0797, 0.5602, 0.2860.



This preview shows how white text looks on a background with the Yxy color 16.0797, 0.5602, 0.2860.

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

16.0797, 0.5602, 0.2860

Protanopia

16.6929, 0.3129, 0.3250

Deuteranopia

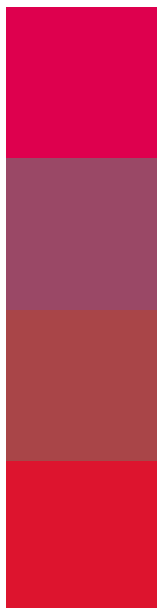
16.5458, 0.4098, 0.4015



Tritanopia

16.4360, 0.6151, 0.3313

Trichromacy



Original Color

16.0797, 0.5602, 0.2860

Protanomaly

12.4641, 0.4052, 0.2799

Deuteranomaly

13.1591, 0.4860, 0.3253

Tritanomaly

16.0697, 0.6027, 0.3169

Monochromacy



Original Color

16.0797, 0.5602, 0.2860

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.2249, 0.4311, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0797, 0.5602, 0.2860 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, 78)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 78) }
```

Border

The CSS property to change the border of an element to Yxy 16.0797, 0.5602, 0.2860 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, 78) }
```

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

```
.border{ border-color:rgb(222, 0, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0797, 0.5602, 0.2860 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, 78) }
```

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

```
.background{ background-color: rgb(222, 0,  
78) }
```

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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