

Converting Colors

$Yxy(9.4811, 0.6226, 0.2068)$

Have a look what the booklet for
Yxy(9.4811, 0.6226, 0.2068)
contains.

Yxy(16.2672, 0.5574, 0.2844)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.2672, 0.5574, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	DF0050
RGB	223, 0, 80
RGB Percent	87%, 0%, 31%
CMY	0.1254, 1.0000, 0.6863
CMYK	0.00, 1.00, 0.64, 0.13
HSL	338°, 100%, 44%
HSV	338°, 100%, 87%
XYZ	31.8823, 16.2672, 9.0488
YIQ	75.7970, 107.2280, 72.1560

Conversions

Conversions Part 2

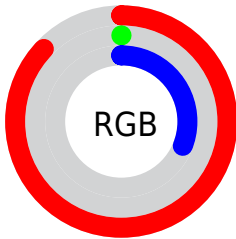
Format	Color
R_{YB}	223, 0, 80
Decimal	14614608
CIE Lab	47.32, 74.46, 21.90
CIE LCh	47, 77.618, 16.388
Yxy	16.2672, 0.5574, 0.2844
Android (android.graphics.Color)	4292804688 (0xFFDF0050)
YUV	75.7970, 2.0721, 129.0970
Hunter-Lab	40.3326, 70.5195, 14.9309

Details

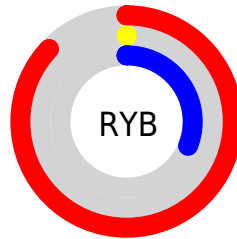
The Yxy color **16.2672, 0.5574, 0.2844** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **54.7655, 0.2590, 0.4525**, and the grayscale version is **7.1702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3272, 0.4737, 0.2935**, and **7.5045, 0.5957, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **16.2691, 0.5574, 0.2844**, and if you desaturate by 10%, it is **17.0889, 0.5277, 0.2753**.

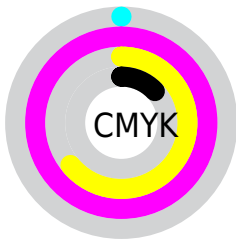
Distribution



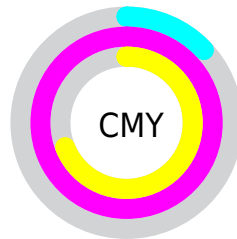
- Red (87%)
- Green (0%)
- Blue (31%)



- Red (87%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2672, 0.5574, 0.2844 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 16.2672, 0.5574, 0.2844 by changing the saturation by 10% instead.


 16.2672, 0.5574,
0.2844


 16.2672, 0.5574,
0.2844


230.9133, 0.4157,
0.3175


 9.7134, 0.5982,
0.2712


 37.0615, 0.5015,
0.2998


 5.2094, 0.6526,
0.2509

 52.0707, 0.4817,
0.3045


 2.3706, 0.7293,
0.2192

 70.6673, 0.4656,
0.3081

 0.8107, 0.8341,
0.1659

 93.2355, 0.4522,
0.3108

 0.0000, 1.0000,
0.0000

 120.1599, 0.4409,
0.3131

 0.0000, 0.0000,
0.0000

 151.8247, 0.4313,

0.3148

188.6144, 0.4230,
0.3163

■ 16.2672, 0.5574,
0.2844

■ 16.2672, 0.5574,
0.2844

■ 16.2691, 0.5574,
0.2844

■ 17.0889, 0.5277,
0.2753

■ 18.6321, 0.4950,
0.2705

■ 21.1204, 0.4615,
0.2707

■ 24.6809, 0.4298,
0.2751

■ 29.4204, 0.4012,
0.2824

■ 35.4330, 0.3765,
0.2913

■ 42.8031, 0.3557,
0.3009

■ 51.6076, 0.3385,
0.3107

■ 61.9178, 0.3243,
0.3201

Harmonies

Analogous

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



16.2672, 0.4198, 0.2124



16.2672, 0.5574, 0.2844



16.2672, 0.5913, 0.3635

Triad

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



16.2672, 0.5574, 0.2844



16.2672, 0.2938, 0.6173



16.2672, 0.1097, 0.1421

Complementary

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



16.2672, 0.5574, 0.2844



54.7655, 0.2590, 0.4525

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.



16.2672, 0.0935, 0.1895



16.2672, 0.5574, 0.2844



16.2672, 0.1811, 0.5028

Square

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



16.2672, 0.5574, 0.2844



16.2672, 0.4178, 0.5649



16.2672, 0.1125, 0.3077



16.2672, 0.1623, 0.1355

Rectangle

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



16.2672, 0.5574, 0.2844



16.2672, 0.5569, 0.4240



16.2672, 0.1125, 0.3077



16.2672, 0.1007, 0.1523

Sweetspot

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



16.2691, 0.5574, 0.2844



57.7536, 0.3561, 0.3007



11.0123, 0.2296, 0.1039



11.4080, 0.3645, 0.2966



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.



16.2691, 0.5574, 0.2844



22.0235, 0.5593, 0.2854



16.6051, 0.6295, 0.3384



13.7814, 0.3236, 0.3206



9.5845, 0.5534, 0.2822



0.6810, 0.5108, 0.2587

Inverse Universe

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



16.2691, 0.5574, 0.2844



22.0235, 0.5593, 0.2854



43.5911, 0.2127, 0.2857



13.7814, 0.3236, 0.3206



9.5845, 0.5534, 0.2822



0.6810, 0.5108, 0.2587

Previews

White Background



This preview shows how the Yxy color 16.2672, 0.5574, 0.2844 looks on a white background.

Color Contrast Check

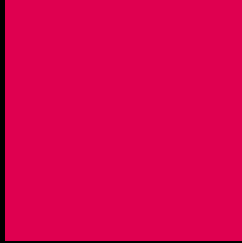
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2672, 0.5574, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

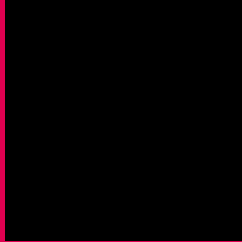
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2672, 0.5574, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 16.2672, 0.5574, 0.2844.



This preview shows how white text looks on a background with the Yxy color 16.2672, 0.5574, 0.2844.

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

16.2672, 0.5574, 0.2844

Protanopia

16.9638, 0.3104, 0.3231

Deuteranopia

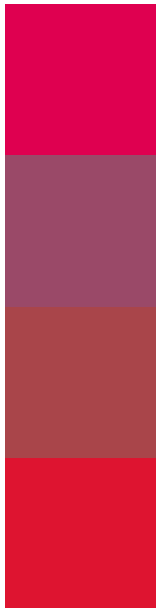
16.7827, 0.4063, 0.3998



Tritanopia

16.4939, 0.6138, 0.3313

Trichromacy



Original Color

16.2672, 0.5574, 0.2844

Protanomaly

12.6346, 0.4009, 0.2782

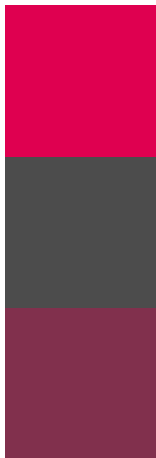
Deuteranomaly

13.1857, 0.4824, 0.3224

Tritanomaly

16.2433, 0.6007, 0.3157

Monochromacy



Original Color

16.2672, 0.5574, 0.2844

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.3169, 0.4305, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2672, 0.5574, 0.2844 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 80) }
```

Border

The CSS property to change the border of an element to Yxy 16.2672, 0.5574, 0.2844 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, 80) }
```

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

```
.border{ border-color:rgb(223, 0, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2672, 0.5574, 0.2844 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, 80) }
```

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

```
.background{ background-color: rgb(223, 0,  
80) }
```

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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