

Converting Colors

$Yxy(15.6582, 0.5581, 0.2848)$

Have a look what the booklet for
Yxy(15.6582, 0.5581, 0.2848)
contains.

Yxy(15.6101, 0.5581, 0.2848)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6101, 0.5581, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	DB004E
RGB	219, 0, 78
RGB Percent	86%, 0%, 31%
CMY	0.1412, 1.0000, 0.6941
CMYK	0.00, 1.00, 0.64, 0.14
HSL	339°, 100%, 43%
HSV	339°, 100%, 86%
XYZ	30.5899, 15.6101, 8.6108
YIQ	74.3730, 105.4860, 70.6860

Conversions

Conversions Part 2

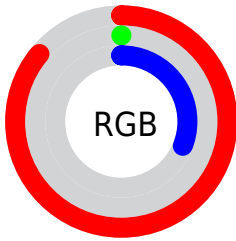
Format	Color
R_{YB}	219, 0, 78
Decimal	14352462
CIE Lab	46.46, 73.43, 21.84
CIE LCh	46, 76.610, 16.564
Yxy	15.6101, 0.5581, 0.2848
Android (android.graphics.Color)	4292542542 (0xFFDB004E)
YUV	74.3730, 1.7881, 126.8379
Hunter-Lab	39.5096, 69.0598, 14.7350

Details

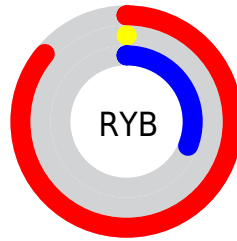
The Yxy color **15.6101, 0.5581, 0.2848** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **52.5882, 0.2587, 0.4514**, and the grayscale version is **6.9016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1046, 0.4770, 0.2947**, and **7.1893, 0.5978, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **15.6108, 0.5581, 0.2848**, and if you desaturate by 10%, it is **16.4057, 0.5283, 0.2757**.

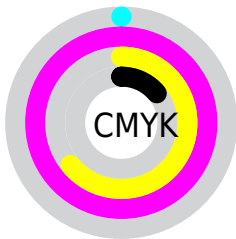
Distribution



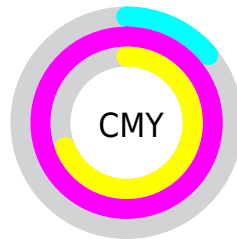
- Red (86%)
- Green (0%)
- Blue (31%)



- Red (86%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6101, 0.5581, 0.2848 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 15.6101, 0.5581, 0.2848 by changing the saturation by 10% instead.


 15.6101, 0.5581,
0.2848


 15.6101, 0.5581,
0.2848


227.0299, 0.4152,
0.3179


 9.2487, 0.5997,
0.2714


 35.9200, 0.5014,
0.3003


 4.9037, 0.6552,
0.2506

 50.6372, 0.4815,
0.3050

 2.1909, 0.7360,
0.2184

 68.9085, 0.4653,
0.3086

 0.7150, 0.8399,
0.1601

 91.1183, 0.4518,
0.3113

 0.0000, 1.0000,
0.0000

 117.6509, 0.4405,
0.3135

 0.0000, 0.0000,
0.0000

 148.8908, 0.4308,

0.3153

185.2223, 0.4225,
0.3167

■ 15.6101, 0.5581,
0.2848

■ 15.6101, 0.5581,
0.2848

■ 15.6108, 0.5581,
0.2848

■ 16.4057, 0.5283,
0.2757

■ 17.8928, 0.4955,
0.2710

■ 20.2868, 0.4619,
0.2712

■ 23.7089, 0.4301,
0.2755

■ 28.2614, 0.4014,
0.2827

■ 34.0341, 0.3767,
0.2916

■ 41.1077, 0.3558,
0.3012

■ 49.5560, 0.3385,
0.3108

■ 59.4472, 0.3243,
0.3202

Harmonies

Analogous

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



15.6101, 0.4208, 0.2127



15.6101, 0.5581, 0.2848



15.6101, 0.5913, 0.3640

Triad

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



15.6101, 0.5581, 0.2848



15.6101, 0.2930, 0.6174



15.6101, 0.1098, 0.1419

Complementary

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



15.6101, 0.5581, 0.2848



52.5882, 0.2587, 0.4514

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.



15.6101, 0.0935, 0.1889



15.6101, 0.5581, 0.2848



15.6101, 0.1804, 0.5018

Square

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



15.6101, 0.5581, 0.2848



15.6101, 0.4173, 0.5658



15.6101, 0.1121, 0.3067



15.6101, 0.1627, 0.1355

Rectangle

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



15.6101, 0.5581, 0.2848



15.6101, 0.5567, 0.4246



15.6101, 0.1121, 0.3067



15.6101, 0.1008, 0.1520

Sweetspot

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



15.6111, 0.5581, 0.2848



57.7442, 0.3563, 0.3009



10.5785, 0.2297, 0.1039



11.4058, 0.3647, 0.2968



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.



15.6111, 0.5581, 0.2848



22.0124, 0.5602, 0.2860



15.9496, 0.6294, 0.3385



13.1278, 0.3236, 0.3207



9.2751, 0.5542, 0.2826



0.6170, 0.5089, 0.2577

Inverse Universe

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



15.6111, 0.5581, 0.2848



22.0124, 0.5602, 0.2860



41.8570, 0.2127, 0.2858



13.1278, 0.3236, 0.3207



9.2751, 0.5542, 0.2826



0.6170, 0.5089, 0.2577

Previews

White Background



This preview shows how the Yxy color 15.6101, 0.5581, 0.2848 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 15.6101, 0.5581, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

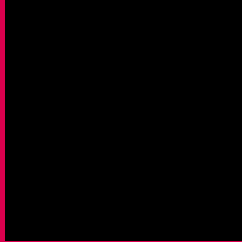
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6101, 0.5581, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 15.6101, 0.5581, 0.2848.



This preview shows how white text looks on a background with the Yxy color 15.6101, 0.5581, 0.2848.

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

15.6101, 0.5581, 0.2848

Protanopia

16.3140, 0.3116, 0.3250

Deuteranopia

16.1670, 0.4079, 0.4007



Tritanopia

15.9692, 0.6143, 0.3313

Trichromacy



Original Color

15.6101, 0.5581, 0.2848



Protanomaly

12.1215, 0.4044, 0.2793



Deuteranomaly

12.7091, 0.4830, 0.3237



Tritanomaly

15.6030, 0.6016, 0.3165

Monochromacy



Original Color

15.6101, 0.5581, 0.2848



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.0531, 0.4324, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6101, 0.5581, 0.2848 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, 0, 78)` looks like.

```
.text, #text, p{  
  color:rgb(219, 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(219, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 78) }
```

Border

The CSS property to change the border of an element to Yxy 15.6101, 0.5581, 0.2848 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, 0, 78) }
```

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

```
.border{ border-color:rgb(219, 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(219, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6101, 0.5581, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 78) }
```

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

```
.background{ background-color: rgb(219, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor