

Converting Colors

$Yxy(9.8837, 0.6018, 0.2289)$

Have a look what the booklet for
Yxy(9.8837, 0.6018, 0.2289)
contains.

Yxy(14.3707, 0.5560, 0.2836)	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(14.3707, 0.5560, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	D3004C
RGB	211, 0, 76
RGB Percent	83%, 0%, 30%
CMY	0.1725, 1.0000, 0.7019
CMYK	0.00, 1.00, 0.64, 0.17
HSL	338°, 100%, 41%
HSV	338°, 100%, 83%
XYZ	28.1739, 14.3707, 8.1279
YIQ	71.7530, 101.3600, 68.3680

Conversions

Conversions Part 2

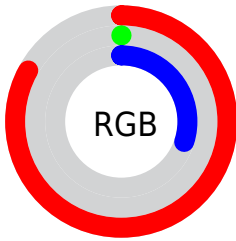
Format	Color
RYB	211, 0, 76
Decimal	13828172
CIELab	44.76, 71.48, 20.55
CIElCh	45, 74.378, 16.037
Yxy	14.3707, 0.5560, 0.2836
Android (android.graphics.Color)	4292018252 (0xFFD3004C)
YUV	71.7530, 2.0938, 122.1196
Hunter-Lab	37.9087, 66.3215, 13.8240

Details

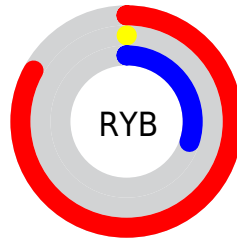
The Yxy color **14.3707, 0.5560, 0.2836** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **48.3500, 0.2591, 0.4526**, and the grayscale version is **6.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6947, 0.4822, 0.2960**, and **6.4057, 0.5972, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **14.3743, 0.5560, 0.2836**, and if you desaturate by 10%, it is **15.1224, 0.5262, 0.2747**.

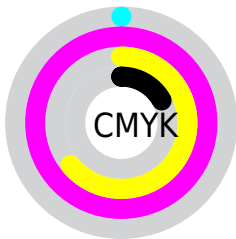
Distribution



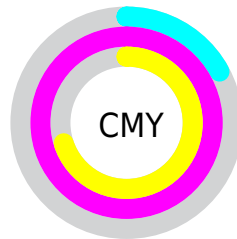
- Red (83%)
- Green (0%)
- Blue (30%)



- Red (83%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3707, 0.5560, 0.2836 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 14.3707, 0.5560, 0.2836 by changing the saturation by 10% instead.


 14.3707, 0.5560,
0.2836


 14.3707, 0.5560,
0.2836


219.5249, 0.4126,
0.3174


 8.3789, 0.5987,
0.2697


 33.7453, 0.4985,
0.2995


 4.3384, 0.6563,
0.2480

 47.8970, 0.4785,
0.3043

 1.8646, 0.7454,
0.2151

 65.5375, 0.4623,
0.3079

 0.5270, 0.8575,
0.1425

 87.0511, 0.4488,
0.3107

 0.0000, 1.0000,
0.0000

 112.8222, 0.4376,
0.3129

 0.0000, 0.0000,
0.0000

 143.2353, 0.4280,

0.3147

178.6748, 0.4198,
0.3162

■ 14.3707, 0.5560,
0.2836

■ 14.3707, 0.5560,
0.2836

■ 14.3743, 0.5560,
0.2836

■ 15.1224, 0.5262,
0.2747

■ 16.5024, 0.4936,
0.2701

■ 18.7144, 0.4604,
0.2705

■ 21.8689, 0.4289,
0.2750

■ 26.0590, 0.4005,
0.2823

■ 31.3666, 0.3761,
0.2913

■ 37.8654, 0.3554,
0.3009

■ 45.6226, 0.3383,
0.3107

■ 54.7004, 0.3242,
0.3201

Harmonies

Analogous

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



14.3707, 0.4177, 0.2117



14.3707, 0.5560, 0.2836



14.3707, 0.5913, 0.3626

Triad

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



14.3707, 0.5560, 0.2836



14.3707, 0.2953, 0.6170



14.3707, 0.1095, 0.1426

Complementary

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



14.3707, 0.5560, 0.2836



48.3500, 0.2591, 0.4526

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.



14.3707, 0.0937, 0.1905



14.3707, 0.5560, 0.2836



14.3707, 0.1824, 0.5048

Square

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



14.3707, 0.5560, 0.2836



14.3707, 0.4199, 0.5645



14.3707, 0.1131, 0.3097



14.3707, 0.1616, 0.1356

Rectangle

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



14.3707, 0.5560, 0.2836



14.3707, 0.5580, 0.4231



14.3707, 0.1131, 0.3097



14.3707, 0.1006, 0.1529

Sweetspot

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



14.3743, 0.5560, 0.2836



57.7590, 0.3560, 0.3006



9.7438, 0.2299, 0.1040



11.4093, 0.3644, 0.2965



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.



14.3743, 0.5560, 0.2836



22.0301, 0.5587, 0.2851



14.6894, 0.6291, 0.3387



11.8776, 0.3235, 0.3207



8.6906, 0.5520, 0.2815



0.5009, 0.5011, 0.2534

Inverse Universe

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



14.3743, 0.5560, 0.2836



22.0301, 0.5587, 0.2851



38.5248, 0.2127, 0.2859



11.8776, 0.3235, 0.3207



8.6906, 0.5520, 0.2815



0.5009, 0.5011, 0.2534

Previews

White Background



This preview shows how the Yxy color 14.3707, 0.5560, 0.2836 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 14.3707, 0.5560, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

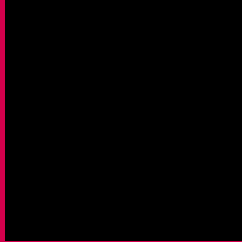
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3707, 0.5560, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 14.3707, 0.5560, 0.2836.



This preview shows how white text looks on a background with the Yxy color 14.3707, 0.5560, 0.2836.

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

14.3707, 0.5560, 0.2836

Protanopia

14.9143, 0.3104, 0.3207

Deuteranopia

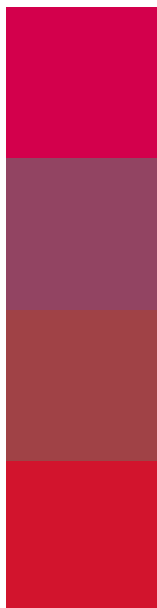
14.9310, 0.4055, 0.3977



Tritanopia

14.7655, 0.6122, 0.3314

Trichromacy



Original Color

14.3707, 0.5560, 0.2836

Protanomaly

11.1271, 0.4021, 0.2774

Deuteranomaly

11.8122, 0.4807, 0.3235

Tritanomaly

14.3914, 0.5998, 0.3162

Monochromacy



Original Color

14.3707, 0.5560, 0.2836

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.6460, 0.4305, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3707, 0.5560, 0.2836 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(211, 0, 76)` looks like.

```
.text, #text, p{  
  color:rgb(211, 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(211, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 76) }
```

Border

The CSS property to change the border of an element to Yxy 14.3707, 0.5560, 0.2836 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(211, 0, 76) }
```

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

```
.border{ border-color:rgb(211, 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(211, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.3707, 0.5560, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 76) }
```

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

```
.background{ background-color: rgb(211, 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](#).

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