

Converting Colors

$Yxy(7.2504, 0.6183, 0.1644)$

Have a look what the booklet for
Yxy(7.2504, 0.6183, 0.1644)
contains.

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Color

Yxy(16.1103, 0.5377, 0.2736)

Conversions

Conversions Part 1

Format	Color
Hex	DD005A
RGB	221, 0, 90
RGB Percent	87%, 0%, 35%
CMY	0.1334, 0.9994, 0.6471
CMYK	0.00, 1.00, 0.59, 0.13
HSL	336°, 100%, 43%
HSV	336°, 100%, 87%
XYZ	31.6612, 16.1103, 11.1112
YIQ	76.3390, 102.8260, 74.8420

Conversions

Conversions Part 2

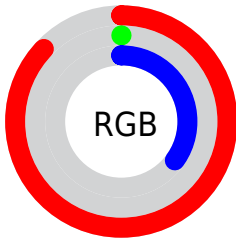
Format	Color
RYB	221, 0, 90
Decimal	14483546
CIELab	47.12, 74.54, 15.36
CIELCh	47, 76.107, 11.647
Yxy	16.1103, 0.5377, 0.2736
Android (android.graphics.Color)	4292673626 (0xFFDD005A)
YUV	76.3390, 6.7349, 126.8677
Hunter-Lab	40.1376, 70.5628, 11.6833

Details

The Yxy color **16.1103, 0.5377, 0.2736** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **53.3499, 0.2639, 0.4698**, and the grayscale version is **7.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6356, 0.4584, 0.2825**, and **7.4586, 0.5786, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **16.1068, 0.5379, 0.2737**, and if you desaturate by 10%, it is **16.9345, 0.5095, 0.2650**.

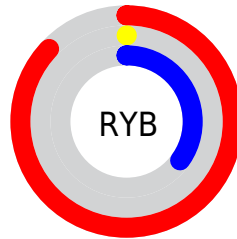
Distribution



Red (87%)

Green (0%)

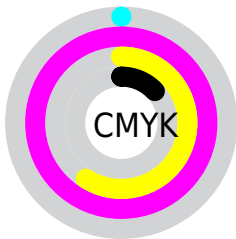
Blue (35%)



Red (87%)

Yellow (0%)

Blue (35%)

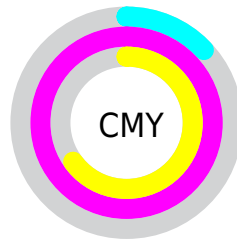


Cyan (0%)

Magenta (100%)

Yellow (59%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1103, 0.5377, 0.2736 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 16.1103, 0.5377, 0.2736 by changing the saturation by 10% instead.


 16.1103, 0.5377,
0.2736

 16.1103, 0.5377,
0.2736

229.9917, 0.4069,
0.3106


 9.6022, 0.5763,
0.2603


 36.7896, 0.4856,
0.2898

 5.1360, 0.6287,
0.2405

 51.7296, 0.4674,
0.2950


 2.3273, 0.7017,
0.2093

 70.2490, 0.4526,
0.2991

 0.7881, 0.8360,
0.1640

 92.7323, 0.4403,
0.3023

 0.0000, 1.0000,
0.0000

 119.5638, 0.4300,
0.3050

 0.0000, 0.0000,
0.0000

 151.1280, 0.4212,

0.3072

187.8091, 0.4136,
0.3090

■ 16.1103, 0.5377,
0.2736

■ 16.1103, 0.5377,
0.2736

■ 16.1068, 0.5379,
0.2737

■ 16.9345, 0.5095,
0.2650

■ 18.4626, 0.4793,
0.2611

■ 20.9112, 0.4488,
0.2623

■ 24.4036, 0.4199,
0.2678

■ 29.0439, 0.3940,
0.2763

■ 34.9233, 0.3715,
0.2864

■ 42.1240, 0.3524,
0.2973

■ 50.7207, 0.3365,
0.3083

■ 60.7829, 0.3234,
0.3190

Harmonies

Analogous

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



16.1103, 0.3928, 0.2039



16.1103, 0.5377, 0.2736



16.1103, 0.5901, 0.3513

Triad

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



16.1103, 0.5377, 0.2736



16.1103, 0.3144, 0.6130



16.1103, 0.1070, 0.1485

Complementary

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



16.1103, 0.5377, 0.2736



53.3499, 0.2639, 0.4698

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.



16.1103, 0.0961, 0.2044



16.1103, 0.5377, 0.2736



16.1103, 0.1990, 0.5283

Square

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



16.1103, 0.5377, 0.2736



16.1103, 0.4369, 0.5472



16.1103, 0.1220, 0.3354



16.1103, 0.1529, 0.1364

Rectangle

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



16.1103, 0.5377, 0.2736



16.1103, 0.5655, 0.4092



16.1103, 0.1220, 0.3354



16.1103, 0.0998, 0.1610

Sweetspot

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



16.1113, 0.5377, 0.2736



57.9345, 0.3529, 0.2970



9.8875, 0.2185, 0.0978



11.4504, 0.3607, 0.2923



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.



16.1113, 0.5377, 0.2736



22.2543, 0.5398, 0.2747



15.8210, 0.6346, 0.3342



13.1389, 0.3228, 0.3195



9.3790, 0.5339, 0.2715



0.6244, 0.4912, 0.2480

Inverse Universe

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



16.1113, 0.5377, 0.2736



22.2543, 0.5398, 0.2747



47.7363, 0.2174, 0.3024



13.1389, 0.3228, 0.3195



9.3790, 0.5339, 0.2715



0.6244, 0.4912, 0.2480

Previews

White Background



This preview shows how the Yxy color 16.1103, 0.5377, 0.2736 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 16.1103, 0.5377, 0.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

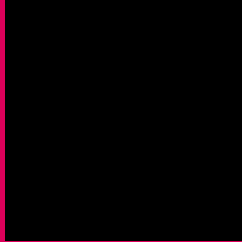
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1103, 0.5377, 0.2736

Background



This preview shows how black text looks on a background with the Yxy color 16.1103, 0.5377, 0.2736.

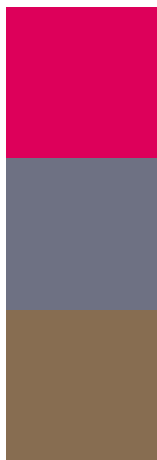


This preview shows how white text looks on a background with the Yxy color 16.1103, 0.5377, 0.2736.

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

16.1103, 0.5377, 0.2736

Protanopia

16.7639, 0.2881, 0.2939

Deuteranopia

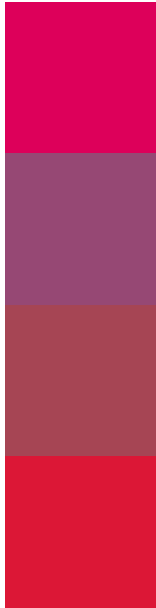
16.6823, 0.3874, 0.3814



Tritanopia

16.4373, 0.6067, 0.3309

Trichromacy



Original Color

16.1103, 0.5377, 0.2736

Protanomaly

12.3797, 0.3730, 0.2558

Deuteranomaly

13.0033, 0.4596, 0.3072

Tritanomaly

16.0948, 0.5912, 0.3121

Monochromacy



Original Color

16.1103, 0.5377, 0.2736

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.3751, 0.4206, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1103, 0.5377, 0.2736 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(221, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 90)  
}
```

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(221, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 16.1103, 0.5377, 0.2736 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(221, 0, 90) }
```

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

```
.border{ border-color:rgb(221, 0, 90) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 0, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1103, 0.5377, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 90) }
```

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

```
.background{ background-color: rgb(221, 0,  
90) }
```

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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