

Converting Colors

$Y_{xy}(17.3796, 0.4700, 0.2363)$

Have a look what the booklet for
Yxy(17.3796, 0.4700, 0.2363)
contains.

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Color

Yxy(17.3796, 0.4700, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	E0007F
RGB	224, 0, 127
RGB Percent	88%, 0%, 50%
CMY	0.1216, 0.9995, 0.5021
CMYK	0.00, 1.00, 0.43, 0.12
HSL	326°, 100%, 44%
HSV	326°, 100%, 88%
XYZ	34.5680, 17.3796, 21.6013
YIQ	81.4540, 92.7370, 86.9850

Conversions

Conversions Part 2

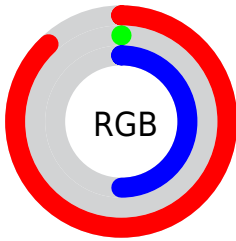
Format	Color
R_{YB}	224, 0, 127
Decimal	14680191
CIE _{Lab}	48.73, 77.87, -5.03
CIE _{LCh}	49, 78.035, 356.301
Yxy	17.3796, 0.4700, 0.2363
Android (android.graphics.Color)	4292870271 (0xFFE0007F)
YUV	81.4540, 22.4542, 125.0128
Hunter-Lab	41.6888, 75.0549, -1.5392

Details

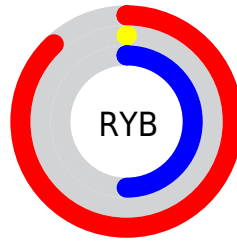
The Yxy color **17.3796, 0.4700, 0.2363** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **54.1741, 0.2791, 0.5245**, and the grayscale version is **8.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3840, 0.4033, 0.2446**, and **8.2314, 0.5016, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **17.3761, 0.4701, 0.2363**, and if you desaturate by 10%, it is **18.2376, 0.4499, 0.2310**.

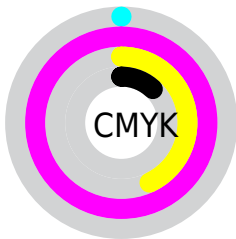
Distribution



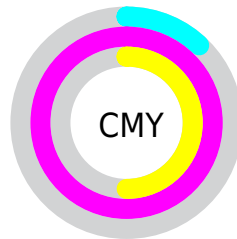
- Red (88%)
- Green (0%)
- Blue (50%)



- Red (88%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3796, 0.4700, 0.2363 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 17.3796, 0.4700, 0.2363 by changing the saturation by 10% instead.


 17.3796, 0.4700,
0.2363


 17.3796, 0.4700,
0.2363


237.3505, 0.3809,
0.2877

 10.5055, 0.4960,
0.2218


 38.9773, 0.4349,
0.2562


 5.7354, 0.5317,
0.2022


 54.4697, 0.4226,
0.2634


 2.6849, 0.5831,
0.1746


 73.6036, 0.4125,
0.2692

 0.9695, 0.6613,
0.1343

 96.7635, 0.4040,
0.2741

 0.0000, 0.9151,
0.0000

 124.3338, 0.3969,
0.2783

 0.0000, 1.0000,
0.0000

 156.6987, 0.3908,

 0.0000, 0.0000,

0.2819

0.0000

194.2429, 0.3855,
0.2850

■ 17.3796, 0.4700,
0.2363

■ 17.3796, 0.4700,
0.2363

■ 17.3761, 0.4701,
0.2363

■ 18.2376, 0.4499,
0.2310

■ 19.8054, 0.4293,
0.2305

■ 22.3040, 0.4089,
0.2352

■ 25.8598, 0.3894,
0.2442

■ 30.5794, 0.3716,
0.2563

■ 36.5562, 0.3559,
0.2704

■ 43.8742, 0.3422,
0.2853

■ 52.6098, 0.3306,
0.3004

■ 62.8338, 0.3208,
0.3151

Harmonies

Analogous

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



17.3796, 0.3128, 0.1757



17.3796, 0.4700, 0.2363



17.3796, 0.5779, 0.3108

Triad

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



17.3796, 0.4700, 0.2363



17.3796, 0.3769, 0.5897



17.3796, 0.0974, 0.1700

Complementary

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



17.3796, 0.4700, 0.2363



54.1741, 0.2791, 0.5245

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.



17.3796, 0.1039, 0.2600



17.3796, 0.4700, 0.2363



17.3796, 0.2557, 0.5956

Square

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



17.3796, 0.4700, 0.2363



17.3796, 0.4946, 0.4932



17.3796, 0.1546, 0.4340



17.3796, 0.1245, 0.1384

Rectangle

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



17.3796, 0.4700, 0.2363



17.3796, 0.5879, 0.3641



17.3796, 0.1546, 0.4340



17.3796, 0.0957, 0.1918

Sweetspot

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



17.3806, 0.4700, 0.2363



58.5657, 0.3426, 0.2849



7.9336, 0.1889, 0.0814



11.5993, 0.3481, 0.2785



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.



17.3806, 0.4700, 0.2363



23.2883, 0.4714, 0.2371



15.8837, 0.6342, 0.3268



13.8300, 0.3204, 0.3158



10.1384, 0.4672, 0.2347



0.7206, 0.4385, 0.2189

Inverse Universe

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



17.3806, 0.4700, 0.2363



23.2883, 0.4714, 0.2371



57.9149, 0.2305, 0.3497



13.8300, 0.3204, 0.3158



10.1384, 0.4672, 0.2347



0.7206, 0.4385, 0.2189

Previews

White Background



This preview shows how the Yxy color 17.3796, 0.4700, 0.2363 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 17.3796, 0.4700, 0.2363 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 17.3796, 0.4700, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 17.3796, 0.4700, 0.2363.



This preview shows how white text looks on a background with the Yxy color 17.3796, 0.4700, 0.2363.

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

17.3796, 0.4700, 0.2363

Protanopia

18.2368, 0.2276, 0.2149

Deuteranopia

17.9861, 0.3288, 0.3235



Tritanopia

17.7359, 0.5799, 0.3291

Trichromacy



Original Color

17.3796, 0.4700, 0.2363



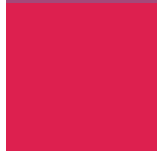
Protanomaly

13.2046, 0.2889, 0.1903



Deuteranomaly

14.0381, 0.3854, 0.2559



Tritanomaly

16.9697, 0.5501, 0.2940

Monochromacy



Original Color

17.3796, 0.4700, 0.2363



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.4062, 0.3884, 0.2462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3796, 0.4700, 0.2363 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(224, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 127)  
}
```

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(224, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 127) }
```

Border

The CSS property to change the border of an element to Yxy 17.3796, 0.4700, 0.2363 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(224, 0, 127) }
```

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

```
.border{ border-color:rgb(224, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3796, 0.4700, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 127) }
```

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

```
.background{ background-color: rgb(224, 0,  
127) }
```

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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