

Converting Colors

$Yxy(17.5277, 0.4644, 0.2332)$

Have a look what the booklet for
Yxy(17.5277, 0.4644, 0.2332)
contains.

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Color

Yxy(17.4590, 0.4643, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	E00082
RGB	224, 0, 130
RGB Percent	88%, 0%, 51%
CMY	0.1215, 1.0000, 0.4901
CMYK	0.00, 1.00, 0.42, 0.12
HSL	325°, 100%, 44%
HSV	325°, 100%, 88%
XYZ	34.7757, 17.4590, 22.6645
YIQ	81.7960, 91.7740, 87.9180

Conversions

Conversions Part 2

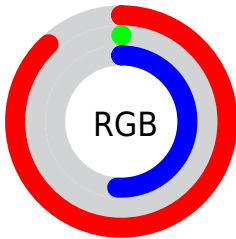
Format	Color
R_YB	224, 0, 130
Decimal	14680194
CIE Lab	48.83, 78.16, -6.75
CIE LCh	49, 78.452, 355.066
Yxy	17.4590, 0.4643, 0.2331
Android (android.graphics.Color)	4292870274 (0xFFE00082)
YUV	81.7960, 23.7646, 124.7129
Hunter-Lab	41.7840, 75.4389, -2.9114

Details

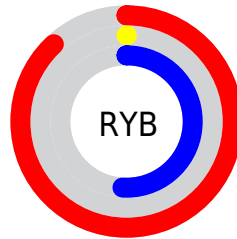
The Yxy color **17.4590, 0.4643, 0.2331** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **54.1303, 0.2803, 0.5289**, and the grayscale version is **8.3344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5076, 0.3994, 0.2418**, and **8.2755, 0.4938, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **17.4629, 0.4643, 0.2331**, and if you desaturate by 10%, it is **18.3163, 0.4450, 0.2281**.

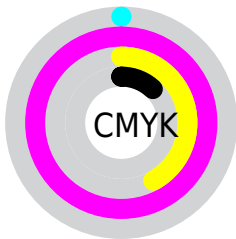
Distribution



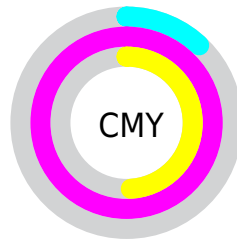
- Red (88%)
- Green (0%)
- Blue (51%)



- Red (88%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4590, 0.4643, 0.2331 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 17.4590, 0.4643, 0.2331 by changing the saturation by 10% instead.


 17.4590, 0.4643,
0.2331


 17.4590, 0.4643,
0.2331

237.8038, 0.3787,
0.2858


 10.5623, 0.4891,
0.2184


 39.1133, 0.4307,
0.2534


 5.7733, 0.5232,
0.1987


 54.6396, 0.4188,
0.2607


 2.7077, 0.5722,
0.1712


 73.8114, 0.4091,
0.2667

 0.9811, 0.6467,
0.1314

 97.0128, 0.4010,
0.2718

 0.0000, 0.8682,
0.0000

 124.6283, 0.3942,
0.2761

 0.0000, 1.0000,
0.0000

 157.0424, 0.3883,

 0.0000, 0.0000,

0.2798

0.0000

194.6394, 0.3832,
0.2830

■ 17.4590, 0.4643,
0.2331

■ 17.4590, 0.4643,
0.2331

■ 17.4629, 0.4643,
0.2331

■ 18.3163, 0.4450,
0.2281

■ 19.8767, 0.4253,
0.2279

■ 22.3657, 0.4057,
0.2329

■ 25.9100, 0.3870,
0.2422

■ 30.6163, 0.3698,
0.2546

■ 36.5780, 0.3546,
0.2689

■ 43.8790, 0.3414,
0.2842

■ 52.5959, 0.3301,
0.2996

■ 62.7994, 0.3207,
0.3147

Harmonies

Analogous

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



17.4590, 0.3067, 0.1733



17.4590, 0.4643, 0.2331



17.4590, 0.5765, 0.3074

Triad

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



17.4590, 0.4643, 0.2331



17.4590, 0.3818, 0.5873



17.4590, 0.0966, 0.1719

Complementary

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



17.4590, 0.4643, 0.2331



54.1303, 0.2803, 0.5289

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.



17.4590, 0.1045, 0.2651



17.4590, 0.4643, 0.2331



17.4590, 0.2602, 0.6000

Square

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



17.4590, 0.4643, 0.2331



17.4590, 0.4992, 0.4890



17.4590, 0.1573, 0.4428



17.4590, 0.1222, 0.1384

Rectangle

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



17.4590, 0.4643, 0.2331



17.4590, 0.5895, 0.3605



17.4590, 0.1573, 0.4428



17.4590, 0.0953, 0.1945

Sweetspot

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



17.4629, 0.4643, 0.2331



58.6225, 0.3417, 0.2838



7.7279, 0.1860, 0.0798



11.6128, 0.3471, 0.2773



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.



17.4629, 0.4643, 0.2331



23.3983, 0.4656, 0.2338



15.8964, 0.6324, 0.3257



13.8333, 0.3202, 0.3155



10.1860, 0.4615, 0.2316



0.7238, 0.4339, 0.2164

Inverse Universe

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



17.4629, 0.4643, 0.2331



23.3983, 0.4656, 0.2338



57.7470, 0.2320, 0.3551



13.8333, 0.3202, 0.3155



10.1860, 0.4615, 0.2316



0.7238, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 17.4590, 0.4643, 0.2331 looks on a white background.

Color Contrast Check

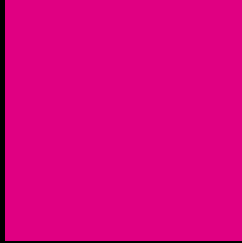
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4590, 0.4643, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

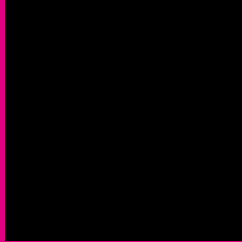
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4590, 0.4643, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 17.4590, 0.4643, 0.2331.



This preview shows how white text looks on a background with the Yxy color 17.4590, 0.4643, 0.2331.

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

17.4590, 0.4643, 0.2331

Protanopia

18.3028, 0.2236, 0.2095

Deuteranopia

17.9799, 0.3237, 0.3179



Tritanopia

17.8403, 0.5768, 0.3283

Trichromacy



Original Color

17.4590, 0.4643, 0.2331



Protanomaly

13.1397, 0.2827, 0.1859



Deuteranomaly

14.0069, 0.3786, 0.2511



Tritanomaly

16.9993, 0.5467, 0.2920

Monochromacy



Original Color

17.4590, 0.4643, 0.2331



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.4252, 0.3862, 0.2445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4590, 0.4643, 0.2331 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 130) }
```

Border

The CSS property to change the border of an element to Yxy 17.4590, 0.4643, 0.2331 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, 130) }
```

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

```
.border{ border-color:rgb(224, 0, 130) }
```

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, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4590, 0.4643, 0.2331 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, 130) }
```

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

```
.background{ background-color: rgb(224, 0,  
130) }
```

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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