

Converting Colors

$Y_{xy}(17.2629, 0.4840, 0.2440)$

Have a look what the booklet for
Yxy(17.2629, 0.4840, 0.2440)
contains.

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Color

Yxy(17.2034, 0.4833, 0.2436)

Conversions

Conversions Part 1

Format	Color
Hex	E00078
RGB	224, 0, 120
RGB Percent	88%, 0%, 47%
CMY	0.1215, 0.9999, 0.5295
CMYK	0.00, 1.00, 0.46, 0.12
HSL	328°, 100%, 44%
HSV	328°, 100%, 88%
XYZ	34.1314, 17.2034, 19.2867
YIQ	80.6560, 94.9840, 84.8080

Conversions

Conversions Part 2

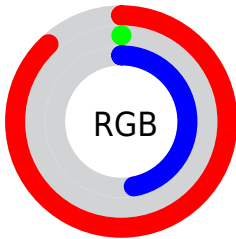
Format	Color
R_{YB}	224, 0, 120
Decimal	14680184
CIE _{Lab}	48.52, 77.31, -1.09
CIE _{LCh}	49, 77.317, 359.194
Yxy	17.2034, 0.4833, 0.2436
Android (android.graphics.Color)	4292870264 (0xFFE00078)
YUV	80.6560, 19.3966, 125.7127
Hunter-Lab	41.4770, 74.3028, 1.4641

Details

The Yxy color **17.2034, 0.4833, 0.2436** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **54.3148, 0.2763, 0.5147**, and the grayscale version is **8.1068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0673, 0.4138, 0.2523**, and **8.1493, 0.5171, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **17.2037, 0.4833, 0.2436**, and if you desaturate by 10%, it is **18.0605, 0.4615, 0.2375**.

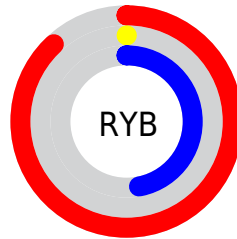
Distribution



Red (88%)

Green (0%)

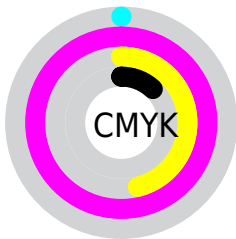
Blue (47%)



Red (88%)

Yellow (0%)

Blue (47%)

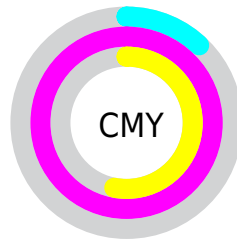


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2034, 0.4833, 0.2436 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 17.2034, 0.4833, 0.2436 by changing the saturation by 10% instead.


 17.2034, 0.4833,
0.2436


 17.2034, 0.4833,
0.2436


236.3418, 0.3860,
0.2921


 10.3796, 0.5119,
0.2295


 38.6752, 0.4448,
0.2627


 5.6514, 0.5513,
0.2101

 54.0919, 0.4313,
0.2694

 2.6343, 0.6081,
0.1823

 73.1418, 0.4203,
0.2749

 0.9439, 0.6941,
0.1406

 96.2092, 0.4111,
0.2795

 0.0000, 1.0000,
0.0000

 123.6785, 0.4033,
0.2834

 0.0000, 0.0000,
0.0000

 155.9341, 0.3967,

0.2867

193.3604, 0.3910,
0.2896

■ 17.2034, 0.4833,
0.2436

■ 17.2034, 0.4833,
0.2436

■ 17.2037, 0.4833,
0.2436

■ 18.0605, 0.4615,
0.2375

■ 19.6284, 0.4389,
0.2363

■ 22.1298, 0.4165,
0.2403

■ 25.6916, 0.3953,
0.2486

■ 30.4205, 0.3760,
0.2600

■ 36.4102, 0.3589,
0.2733

■ 43.7447, 0.3442,
0.2875

■ 52.5008, 0.3318,
0.3018

■ 62.7494, 0.3214,
0.3158

Harmonies

Analogous

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



17.2034, 0.3272, 0.1811



17.2034, 0.4833, 0.2436



17.2034, 0.5812, 0.3186

Triad

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



17.2034, 0.4833, 0.2436



17.2034, 0.3654, 0.5952



17.2034, 0.0993, 0.1657

Complementary

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



17.2034, 0.4833, 0.2436



54.3148, 0.2763, 0.5147

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.



17.2034, 0.1025, 0.2483



17.2034, 0.4833, 0.2436



17.2034, 0.2451, 0.5848

Square

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



17.2034, 0.4833, 0.2436



17.2034, 0.4839, 0.5032



17.2034, 0.1481, 0.4141



17.2034, 0.1297, 0.1381

Rectangle

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



17.2034, 0.4833, 0.2436



17.2034, 0.5843, 0.3725



17.2034, 0.1481, 0.4141



17.2034, 0.0966, 0.1855

Sweetspot

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



17.2044, 0.4833, 0.2436



58.4396, 0.3446, 0.2872



8.1386, 0.1918, 0.0830



11.5694, 0.3505, 0.2811



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.



17.2044, 0.4833, 0.2436



23.0540, 0.4847, 0.2444



15.8733, 0.6359, 0.3277



13.8227, 0.3209, 0.3165



10.0367, 0.4802, 0.2419



0.7137, 0.4489, 0.2247

Inverse Universe

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



17.2044, 0.4833, 0.2436



23.0540, 0.4847, 0.2444



58.1088, 0.2290, 0.3443



13.8227, 0.3209, 0.3165



10.0367, 0.4802, 0.2419



0.7137, 0.4489, 0.2247

Previews

White Background



This preview shows how the Yxy color 17.2034, 0.4833, 0.2436 looks on a white background.

Color Contrast Check

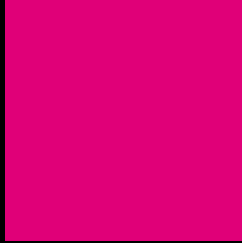
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2034, 0.4833, 0.2436 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 17.2034, 0.4833, 0.2436

Background



This preview shows how black text looks on a background with the Yxy color 17.2034, 0.4833, 0.2436.



This preview shows how white text looks on a background with the Yxy color 17.2034, 0.4833, 0.2436.

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

17.2034, 0.4833, 0.2436

Protanopia

17.8753, 0.2381, 0.2275

Deuteranopia

17.7832, 0.3394, 0.3328



Tritanopia

17.5429, 0.5848, 0.3298

Trichromacy



Original Color

17.2034, 0.4833, 0.2436



Protanomaly

13.0275, 0.3043, 0.2011



Deuteranomaly

13.8490, 0.3997, 0.2652



Tritanomaly

16.8465, 0.5587, 0.2984

Monochromacy



Original Color

17.2034, 0.4833, 0.2436



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.2688, 0.3932, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2034, 0.4833, 0.2436 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, 120)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 120) }
```

Border

The CSS property to change the border of an element to Yxy 17.2034, 0.4833, 0.2436 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, 120) }
```

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

```
.border{ border-color:rgb(224, 0, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2034, 0.4833, 0.2436 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, 120) }
```

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

```
.background{ background-color: rgb(224, 0,  
120) }
```

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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