

Converting Colors

$Y_{xy}(17.8161, 0.4455, 0.2228)$

Have a look what the booklet for
Yxy(17.8161, 0.4455, 0.2228)
contains.

Yxy(17.7407, 0.4458, 0.2229)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7407, 0.4458, 0.2229)

Conversions

Conversions Part 1

Format	Color
Hex	E0008C
RGB	224, 0, 140
RGB Percent	88%, 0%, 55%
CMY	0.1215, 1.0000, 0.4509
CMYK	0.00, 1.00, 0.38, 0.12
HSL	323°, 100%, 44%
HSV	323°, 100%, 88%
XYZ	35.4814, 17.7407, 26.3683
YIQ	82.9360, 88.5640, 91.0280

Conversions

Conversions Part 2

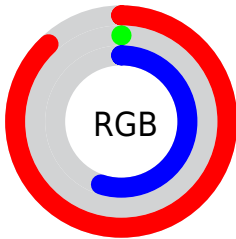
Format	Color
R_{YB}	224, 0, 140
Decimal	14680204
CIE _{Lab}	49.18, 79.07, -12.28
CIE _{LCh}	49, 80.018, 351.170
Yxy	17.7407, 0.4458, 0.2229
Android (android.graphics.Color)	4292870284 (0xFFE0008C)
YUV	82.9360, 28.1326, 123.7131
Hunter-Lab	42.1197, 76.6579, -7.6337

Details

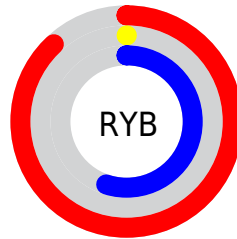
The Yxy color **17.7407, 0.4458, 0.2229** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **53.9677, 0.2839, 0.5421**, and the grayscale version is **8.5668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1604, 0.3853, 0.2324**, and **8.5247, 0.4721, 0.2375** is the 20% darker color. If you saturate the color by 10%, you get **17.7457, 0.4458, 0.2229**, and if you desaturate by 10%, it is **18.5925, 0.4291, 0.2191**.

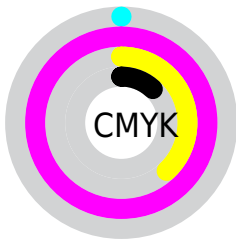
Distribution



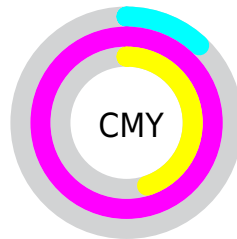
- Red (88%)
- Green (0%)
- Blue (55%)



- Red (88%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7407, 0.4458, 0.2229 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 17.7407, 0.4458, 0.2229 by changing the saturation by 10% instead.


 17.7407, 0.4458,
0.2229


 17.7407, 0.4458,
0.2229


239.4054, 0.3718,
0.2797


 10.7640, 0.4669,
0.2076


 39.5950, 0.4170,
0.2444


 5.9084, 0.4955,
0.1876


 55.2413, 0.4068,
0.2522


 2.7894, 0.5364,
0.1602

 74.5464, 0.3983,
0.2587

 1.0228, 0.5980,
0.1218

 97.8945, 0.3913,
0.2642

 0.0000, 0.7512,
0.0000

 125.6700, 0.3853,
0.2690

 0.0000, 1.0000,
0.0000

 158.2574, 0.3801,

 0.0000, 0.0000,

0.2730

0.0000

196.0411, 0.3757,
0.2766

■ 17.7407, 0.4458,
0.2229

■ 17.7407, 0.4458,
0.2229

■ 17.7457, 0.4458,
0.2229

■ 18.5925, 0.4291,
0.2191

■ 20.1420, 0.4121,
0.2199

■ 22.6157, 0.3951,
0.2258

■ 26.1401, 0.3789,
0.2359

■ 30.8219, 0.3638,
0.2493

■ 36.7541, 0.3504,
0.2646

■ 44.0207, 0.3386,
0.2809

■ 52.6981, 0.3285,
0.2974

■ 62.8568, 0.3199,
0.3136

Harmonies

Analogous

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



17.7407, 0.2876, 0.1659



17.7407, 0.4458, 0.2229



17.7407, 0.5712, 0.2965

Triad

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



17.7407, 0.4458, 0.2229



17.7407, 0.3975, 0.5792



17.7407, 0.0938, 0.1780

Complementary

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



17.7407, 0.4458, 0.2229



53.9677, 0.2839, 0.5421

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.



17.7407, 0.1064, 0.2825



17.7407, 0.4458, 0.2229



17.7407, 0.2743, 0.6126

Square

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



17.7407, 0.4458, 0.2229



17.7407, 0.5138, 0.4755



17.7407, 0.1662, 0.4712



17.7407, 0.1152, 0.1386

Rectangle

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



17.7407, 0.4458, 0.2229



17.7407, 0.5940, 0.3490



17.7407, 0.1662, 0.4712



17.7407, 0.0938, 0.2036

Sweetspot

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



17.7457, 0.4458, 0.2229



58.8081, 0.3389, 0.2805



7.1837, 0.1781, 0.0755



11.6570, 0.3437, 0.2736



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.



17.7457, 0.4458, 0.2229



23.7758, 0.4469, 0.2235



15.9451, 0.6247, 0.3215



13.8439, 0.3195, 0.3145



10.3492, 0.4434, 0.2216



0.7345, 0.4195, 0.2085

Inverse Universe

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



17.7457, 0.4458, 0.2229



23.7758, 0.4469, 0.2235



57.2295, 0.2366, 0.3718



13.8439, 0.3195, 0.3145



10.3492, 0.4434, 0.2216



0.7345, 0.4195, 0.2085

Previews

White Background



This preview shows how the Yxy color 17.7407, 0.4458, 0.2229 looks on a white background.

Color Contrast Check

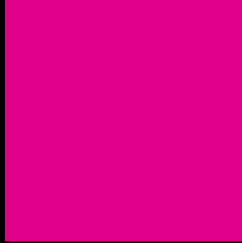
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7407, 0.4458, 0.2229 looks on a black 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

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

Yxy 17.7407, 0.4458, 0.2229

Background



This preview shows how black text looks on a background with the Yxy color 17.7407, 0.4458, 0.2229.



This preview shows how white text looks on a background with the Yxy color 17.7407, 0.4458, 0.2229.

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

17.7407, 0.4458, 0.2229

Protanopia

18.5468, 0.2106, 0.1919

Deuteranopia

18.2331, 0.3077, 0.3013



Tritanopia

18.0879, 0.5682, 0.3282

Trichromacy



Original Color

17.7407, 0.4458, 0.2229



Protanomaly

13.2206, 0.2626, 0.1700



Deuteranomaly

14.0634, 0.3589, 0.2360



Tritanomaly

17.2623, 0.5352, 0.2874

Monochromacy



Original Color

17.7407, 0.4458, 0.2229



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.6140, 0.3752, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7407, 0.4458, 0.2229 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 140) }
```

Border

The CSS property to change the border of an element to Yxy 17.7407, 0.4458, 0.2229 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, 140) }
```

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

```
.border{ border-color:rgb(224, 0, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7407, 0.4458, 0.2229 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, 140) }
```

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

```
.background{ background-color: rgb(224, 0,  
140) }
```

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](#)