

Converting Colors

$Y_{xy}(17.2262, 0.4544, 0.2277)$

Have a look what the booklet for
Yxy(17.2262, 0.4544, 0.2277)
contains.

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Color

Yxy(17.2508, 0.4545, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	DE0086
RGB	222, 0, 134
RGB Percent	87%, 0%, 53%
CMY	0.1293, 1.0000, 0.4744
CMYK	0.00, 1.00, 0.40, 0.13
HSL	324°, 100%, 44%
HSV	324°, 100%, 87%
XYZ	34.4334, 17.2508, 24.0769
YIQ	81.6540, 89.2980, 88.7380

Conversions

Conversions Part 2

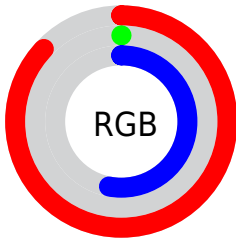
Format	Color
RYB	222, 0, 134
Decimal	14549126
CIELab	48.57, 78.10, -9.61
CIELCh	49, 78.688, 352.988
Yxy	17.2508, 0.4545, 0.2277
Android (android.graphics.Color)	4292739206 (0xFFDE0086)
YUV	81.6540, 25.8066, 123.0834
Hunter-Lab	41.5341, 75.2990, -5.2959

Details

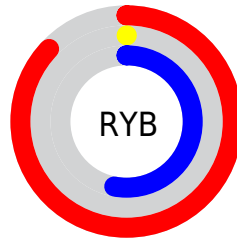
The Yxy color **17.2508, 0.4545, 0.2277** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **52.9587, 0.2822, 0.5358**, and the grayscale version is **8.3010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6766, 0.3943, 0.2380**, and **8.2172, 0.4846, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **17.2549, 0.4545, 0.2277**, and if you desaturate by 10%, it is **18.0924, 0.4366, 0.2234**.

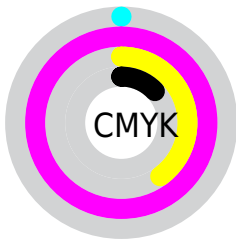
Distribution



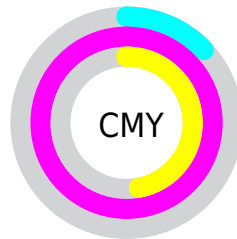
- Red (87%)
- Green (0%)
- Blue (53%)



- Red (87%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (13%)



- Cyan (13%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2508, 0.4545, 0.2277 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 17.2508, 0.4545, 0.2277 by changing the saturation by 10% instead.


 17.2508, 0.4545,
0.2277


 17.2508, 0.4545,
0.2277


236.6135, 0.3748,
0.2828

 10.4135, 0.4775,
0.2126


 38.7565, 0.4233,
0.2488


 5.6740, 0.5091,
0.1925


 54.1936, 0.4122,
0.2563


 2.6479, 0.5544,
0.1648


 73.2662, 0.4032,
0.2626

 0.9508, 0.6235,
0.1251

 96.3585, 0.3956,
0.2680

 0.0000, 0.8098,
0.0000

 123.8550, 0.3892,
0.2725

 0.0000, 1.0000,
0.0000

 156.1401, 0.3837,

 0.0000, 0.0000,

0.2764

0.0000

193.5981, 0.3790,
0.2798

■ 17.2508, 0.4545,
0.2277

■ 17.2508, 0.4545,
0.2277

■ 17.2549, 0.4545,
0.2277

■ 18.0924, 0.4366,
0.2234

■ 19.6193, 0.4183,
0.2237

■ 22.0536, 0.4001,
0.2292

■ 25.5189, 0.3827,
0.2389

■ 30.1195, 0.3667,
0.2518

■ 35.9467, 0.3524,
0.2667

■ 43.0825, 0.3399,
0.2825

■ 51.6017, 0.3293,
0.2985

■ 61.5734, 0.3203,
0.3141

Harmonies

Analogous

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



17.2508, 0.2965, 0.1694



17.2508, 0.4545, 0.2277



17.2508, 0.5738, 0.3016

Triad

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



17.2508, 0.4545, 0.2277



17.2508, 0.3902, 0.5831



17.2508, 0.0951, 0.1751

Complementary

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



17.2508, 0.4545, 0.2277



52.9587, 0.2822, 0.5358

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.



17.2508, 0.1055, 0.2742



17.2508, 0.4545, 0.2277



17.2508, 0.2677, 0.6069

Square

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



17.2508, 0.4545, 0.2277



17.2508, 0.5071, 0.4819



17.2508, 0.1620, 0.4578



17.2508, 0.1185, 0.1385

Rectangle

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



17.2508, 0.4545, 0.2277



17.2508, 0.5920, 0.3544



17.2508, 0.1620, 0.4578



17.2508, 0.0945, 0.1993

Sweetspot

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



17.2549, 0.4545, 0.2277



58.7188, 0.3402, 0.2821



7.2115, 0.1807, 0.0769



11.6357, 0.3453, 0.2753



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.



17.2549, 0.4545, 0.2277



23.5907, 0.4558, 0.2284



15.6072, 0.6275, 0.3231



13.8388, 0.3198, 0.3149



10.2693, 0.4520, 0.2263



0.7293, 0.4263, 0.2122

Inverse Universe

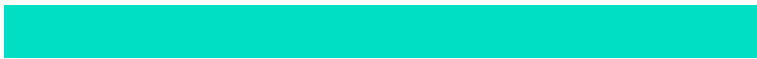
The Inverse Universe completely reimagines the original color for something new.



17.2549, 0.4545, 0.2277



23.5907, 0.4558, 0.2284



56.2451, 0.2351, 0.3662



13.8388, 0.3198, 0.3149



10.2693, 0.4520, 0.2263



0.7293, 0.4263, 0.2122

Previews

White Background



This preview shows how the Yxy color 17.2508, 0.4545, 0.2277 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 17.2508, 0.4545, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

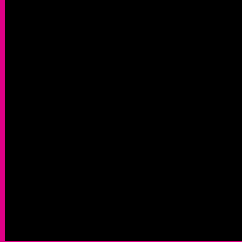
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2508, 0.4545, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 17.2508, 0.4545, 0.2277.



This preview shows how white text looks on a background with the Yxy color 17.2508, 0.4545, 0.2277.

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

17.2508, 0.4545, 0.2277

Protanopia

18.0457, 0.2168, 0.2008

Deuteranopia

17.8498, 0.3149, 0.3103



Tritanopia

17.5738, 0.5711, 0.3282

Trichromacy



Original Color

17.2508, 0.4545, 0.2277



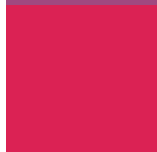
Protanomaly

12.8563, 0.2719, 0.1772



Deuteranomaly

13.7972, 0.3673, 0.2439



Tritanomaly

16.8442, 0.5391, 0.2893

Monochromacy



Original Color

17.2508, 0.4545, 0.2277



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.3821, 0.3800, 0.2404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2508, 0.4545, 0.2277 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(222, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 134)  
}
```

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(222, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 134) }
```

Border

The CSS property to change the border of an element to Yxy 17.2508, 0.4545, 0.2277 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(222, 0, 134) }
```

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

```
.border{ border-color:rgb(222, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2508, 0.4545, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 134) }
```

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

```
.background{ background-color: rgb(222, 0,  
134) }
```

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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