

Converting Colors

$Yxy(16.3822, 0.5403, 0.2566)$

Have a look what the booklet for
Yxy(16.3822, 0.5403, 0.2566)
contains.

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Color

Yxy(17.8708, 0.5313, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	E70062
RGB	231, 0, 98
RGB Percent	91%, 0%, 38%
CMY	0.0940, 1.0000, 0.6157
CMYK	0.00, 1.00, 0.58, 0.09
HSL	335°, 100%, 45%
HSV	335°, 100%, 91%
XYZ	35.1658, 17.8708, 13.1516
YIQ	80.2410, 106.2180, 79.4500

Conversions

Conversions Part 2

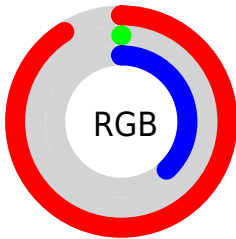
Format	Color
R_{YB}	231, 0, 98
Decimal	15138914
CIE _{Lab}	49.34, 77.31, 13.79
CIE _{LCh}	49, 78.534, 10.113
Yxy	17.8708, 0.5313, 0.2700
Android (android.graphics.Color)	4293328994 (0xFFE70062)
YUV	80.2410, 8.7552, 132.2156
Hunter-Lab	42.2739, 74.5070, 11.1463

Details

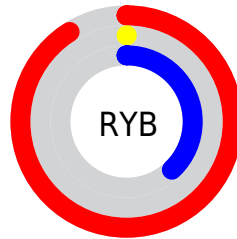
The Yxy color **17.8708, 0.5313, 0.2700** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **58.8599, 0.2657, 0.4766**, and the grayscale version is **8.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2268, 0.4465, 0.2761**, and **8.5728, 0.5711, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **17.8749, 0.5313, 0.2700**, and if you desaturate by 10%, it is **18.7644, 0.5038, 0.2615**.

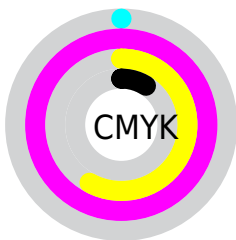
Distribution



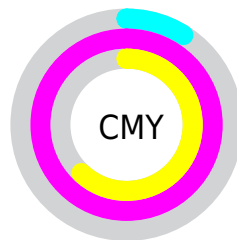
- Red (91%)
- Green (0%)
- Blue (38%)



- Red (91%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8708, 0.5313, 0.2700 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 17.8708, 0.5313, 0.2700 by changing the saturation by 10% instead.


 17.8708, 0.5313,
0.2700


 17.8708, 0.5313,
0.2700


240.1418, 0.4061,
0.3078


 10.8573, 0.5675,
0.2572


 39.8170, 0.4820,
0.2861


 5.9709, 0.6163,
0.2386

 55.5186, 0.4646,
0.2914


 2.8274, 0.6840,
0.2100

 74.8848, 0.4504,
0.2956

 1.0423, 0.8039,
0.1698

 98.3003, 0.4385,
0.2990

 0.0000, 1.0000,
0.0000

 126.1493, 0.4285,
0.3018

 0.0000, 0.0000,
0.0000

 158.8163, 0.4200,

0.3042

196.6857, 0.4126,
0.3062

■ 17.8708, 0.5313,
0.2700

■ 17.8708, 0.5313,
0.2700

■ 17.8749, 0.5313,
0.2700

■ 18.7644, 0.5038,
0.2615

■ 20.4337, 0.4745,
0.2577

■ 23.1196, 0.4450,
0.2592

■ 26.9598, 0.4171,
0.2650

■ 32.0707, 0.3919,
0.2739

■ 38.5540, 0.3701,
0.2845

■ 46.5011, 0.3515,
0.2959

■ 55.9955, 0.3360,
0.3073

■ 67.1145, 0.3232,
0.3185

Harmonies

Analogous

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



17.8708, 0.3843, 0.2011



17.8708, 0.5313, 0.2700



17.8708, 0.5895, 0.3473

Triad

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



17.8708, 0.5313, 0.2700



17.8708, 0.3208, 0.6114



17.8708, 0.1061, 0.1505

Complementary

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



17.8708, 0.5313, 0.2700



58.8599, 0.2657, 0.4766

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.



17.8708, 0.0969, 0.2094



17.8708, 0.5313, 0.2700



17.8708, 0.2047, 0.5362

Square

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



17.8708, 0.5313, 0.2700



17.8708, 0.4424, 0.5412



17.8708, 0.1250, 0.3445



17.8708, 0.1499, 0.1366

Rectangle

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



17.8708, 0.5313, 0.2700



17.8708, 0.5681, 0.4046



17.8708, 0.1250, 0.3445



17.8708, 0.0994, 0.1638

Sweetspot

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



17.8749, 0.5313, 0.2700



58.0009, 0.3518, 0.2957



10.5894, 0.2146, 0.0956



11.4659, 0.3593, 0.2908



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.



17.8749, 0.5313, 0.2700



22.3464, 0.5326, 0.2708



17.3462, 0.6362, 0.3330



14.4690, 0.3226, 0.3191



10.0422, 0.5273, 0.2678



0.7603, 0.4899, 0.2473

Inverse Universe

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



17.8749, 0.5313, 0.2700



22.3464, 0.5326, 0.2708



54.6898, 0.2188, 0.3078



14.4690, 0.3226, 0.3191



10.0422, 0.5273, 0.2678



0.7603, 0.4899, 0.2473

Previews

White Background



This preview shows how the Yxy color 17.8708, 0.5313, 0.2700 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 17.8708, 0.5313, 0.2700 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 17.8708, 0.5313, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 17.8708, 0.5313, 0.2700.

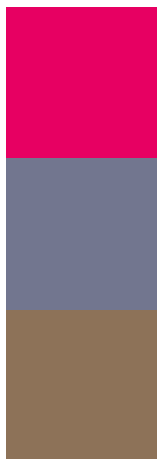


This preview shows how white text looks on a background with the Yxy color 17.8708, 0.5313, 0.2700.

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

17.8708, 0.5313, 0.2700

Protanopia

18.5174, 0.2806, 0.2828

Deuteranopia

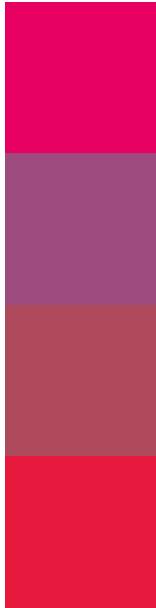
18.4019, 0.3832, 0.3759



Tritanopia

18.2490, 0.6045, 0.3304

Trichromacy



Original Color

17.8708, 0.5313, 0.2700

Protanomaly

13.7326, 0.3639, 0.2468

Deuteranomaly

14.5365, 0.4527, 0.3023

Tritanomaly

17.8445, 0.5870, 0.3099

Monochromacy



Original Color

17.8708, 0.5313, 0.2700

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.2067, 0.4157, 0.2645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8708, 0.5313, 0.2700 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(231, 0, 98)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 98)  
}
```

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(231, 0, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 98) }
```

Border

The CSS property to change the border of an element to Yxy 17.8708, 0.5313, 0.2700 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(231, 0, 98) }
```

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

```
.border{ border-color:rgb(231, 0, 98) }
```

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

Here you see how a box with a 4 pixel rgb(231, 0, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(231, 0, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.8708, 0.5313, 0.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 98) }
```

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

```
.background{ background-color: rgb(231, 0,  
98) }
```

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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