

Converting Colors

$Y_{xy}(20.1757, 0.4463, 0.2232)$

Have a look what the booklet for
Yxy(20.1757, 0.4463, 0.2232)
contains.

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Color

Yxy(20.1426, 0.4465, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	ED0094
RGB	237, 0, 148
RGB Percent	93%, 0%, 58%
CMY	0.0705, 1.0000, 0.4196
CMYK	0.00, 1.00, 0.38, 0.07
HSL	323°, 100%, 46%
HSV	323°, 100%, 93%
XYZ	40.2762, 20.1426, 29.7854
YIQ	87.7350, 93.7440, 96.2720

Conversions

Conversions Part 2

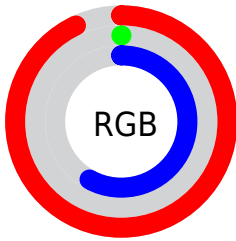
Format	Color
R_{YB}	237, 0, 148
Decimal	15532180
CIE _{Lab}	52.00, 82.46, -12.59
CIE _{LCh}	52, 83.416, 351.317
Yxy	20.1426, 0.4465, 0.2233
Android (android.graphics.Color)	4293722260 (0xFFED0094)
YUV	87.7350, 29.7106, 130.9054
Hunter-Lab	44.8805, 81.6466, -7.9321

Details

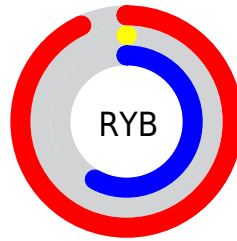
The Yxy color **20.1426, 0.4465, 0.2233** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **61.3023, 0.2840, 0.5425**, and the grayscale version is **9.6187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0737, 0.3751, 0.2275**, and **9.9770, 0.4723, 0.2375** is the 20% darker color. If you saturate the color by 10%, you get **20.1466, 0.4465, 0.2233**, and if you desaturate by 10%, it is **21.0805, 0.4298, 0.2192**.

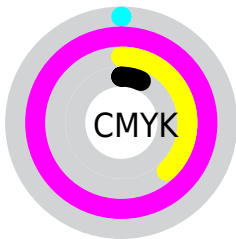
Distribution



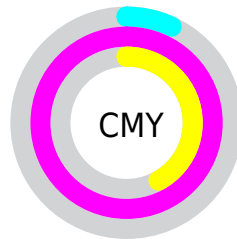
- Red (93%)
- Green (0%)
- Blue (58%)



- Red (93%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1426, 0.4465, 0.2233 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 20.1426, 0.4465, 0.2233 by changing the saturation by 10% instead.


 20.1426, 0.4465,
0.2233

 20.1426, 0.4465,
0.2233

252.6860, 0.3734,
0.2789


 12.4987, 0.4667,
0.2088

 43.6561, 0.4185,
0.2440

 7.0843, 0.4938,
0.1899

 60.2946, 0.4084,
0.2517

 3.5149, 0.5317,
0.1646

 80.7001, 0.4000,
0.2580

 1.4061, 0.5875,
0.1296

 105.2569, 0.3930,
0.2635

 0.2212, 0.6976,
0.0495

 134.3495, 0.3870,
0.2681

 0.0000, 1.0000,
0.0000

 168.3623, 0.3819,

 0.0000, 0.0000,

0.2722

0.0000

207.6797, 0.3774,
0.2757

■ 20.1426, 0.4465,
0.2233

■ 20.1426, 0.4465,
0.2233

■ 20.1466, 0.4465,
0.2233

■ 21.0805, 0.4298,
0.2192

■ 22.8200, 0.4127,
0.2199

■ 25.6121, 0.3956,
0.2257

■ 29.6027, 0.3792,
0.2358

■ 34.9144, 0.3641,
0.2491

■ 41.6543, 0.3506,
0.2644

■ 49.9188, 0.3388,
0.2808

■ 59.7956, 0.3286,
0.2973

■ 71.3657, 0.3200,
0.3135

Harmonies

Analogous

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



20.1426, 0.2883, 0.1662



20.1426, 0.4465, 0.2233



20.1426, 0.5714, 0.2969

Triad

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



20.1426, 0.4465, 0.2233



20.1426, 0.3967, 0.5792



20.1426, 0.0939, 0.1778

Complementary

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



20.1426, 0.4465, 0.2233



61.3023, 0.2840, 0.5425

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.



20.1426, 0.1063, 0.2818



20.1426, 0.4465, 0.2233



20.1426, 0.2738, 0.6121

Square

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



20.1426, 0.4465, 0.2233



20.1426, 0.5127, 0.4754



20.1426, 0.1659, 0.4701



20.1426, 0.1155, 0.1386

Rectangle

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



20.1426, 0.4465, 0.2233



20.1426, 0.5939, 0.3494



20.1426, 0.1659, 0.4701



20.1426, 0.0939, 0.2033

Sweetspot

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



20.1466, 0.4465, 0.2233



58.8060, 0.3389, 0.2806



8.1375, 0.1778, 0.0753



11.6565, 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.



20.1466, 0.4465, 0.2233



23.7714, 0.4471, 0.2237



18.1104, 0.6253, 0.3218



15.2123, 0.3195, 0.3144



11.0233, 0.4439, 0.2219



0.8842, 0.4223, 0.2100

Inverse Universe

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



20.1466, 0.4465, 0.2233



23.7714, 0.4471, 0.2237



65.0089, 0.2367, 0.3720



15.2123, 0.3195, 0.3144



11.0233, 0.4439, 0.2219



0.8842, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 20.1426, 0.4465, 0.2233 looks on a white background.

Color Contrast Check

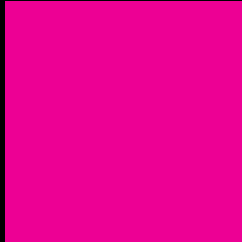
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 20.1426, 0.4465, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

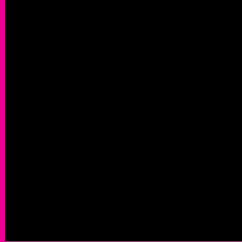
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1426, 0.4465, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 20.1426, 0.4465, 0.2233.



This preview shows how white text looks on a background with the Yxy color 20.1426, 0.4465, 0.2233.

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

20.1426, 0.4465, 0.2233

Protanopia

20.9941, 0.2107, 0.1924

Deuteranopia

20.6596, 0.3068, 0.3010



Tritanopia

20.6100, 0.5692, 0.3290

Trichromacy



Original Color

20.1426, 0.4465, 0.2233



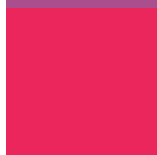
Protanomaly

14.8737, 0.2629, 0.1695



Deuteranomaly

15.9478, 0.3581, 0.2362



Tritanomaly

19.6514, 0.5360, 0.2881

Monochromacy



Original Color

20.1426, 0.4465, 0.2233



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.7049, 0.3761, 0.2373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1426, 0.4465, 0.2233 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(237, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 148)  
}
```

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(237, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 148) }
```

Border

The CSS property to change the border of an element to Yxy 20.1426, 0.4465, 0.2233 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(237, 0, 148) }
```

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

```
.border{ border-color:rgb(237, 0, 148) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1426, 0.4465, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 148) }
```

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

```
.background{ background-color: rgb(237, 0,  
148) }
```

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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