

Converting Colors

$Y_{xy}(22.6641, 0.4021, 0.2122)$

Have a look what the booklet for
Yxy(22.6641, 0.4021, 0.2122)
contains.

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Color

Yxy(22.6882, 0.4024, 0.2124)

Conversions

Conversions Part 1

Format	Color
Hex	EC2DAC
RGB	236, 45, 172
RGB Percent	93%, 18%, 67%
CMY	0.0744, 0.8237, 0.3255
CMYK	0.00, 0.81, 0.27, 0.07
HSL	320°, 83%, 55%
HSV	320°, 81%, 93%
XYZ	42.9837, 22.6882, 41.1464
YIQ	116.5870, 73.0690, 79.9890

Conversions

Conversions Part 2

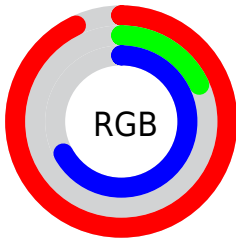
Format	Color
R_{YB}	236, 45, 172
Decimal	15478188
CIE _{Lab}	54.75, 78.83, -22.61
CIE _{LCh}	55, 82.012, 343.995
Yxy	22.6882, 0.4024, 0.2124
Android (android.graphics.Color)	4293668268 (0xFFEC2DAC)
YUV	116.5870, 27.3186, 104.7252
Hunter-Lab	47.6321, 77.7238, -17.8744

Details

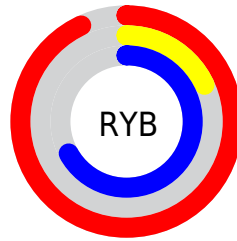
The Yxy color **22.6882, 0.4024, 0.2124** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **61.6664, 0.2818, 0.5135**, and the grayscale version is **17.5459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6717, 0.3446, 0.2179**, and **10.4459, 0.4217, 0.2097** is the 20% darker color. If you saturate the color by 10%, you get **21.0706, 0.4171, 0.2113**, and if you desaturate by 10%, it is **25.3311, 0.3876, 0.2185**.

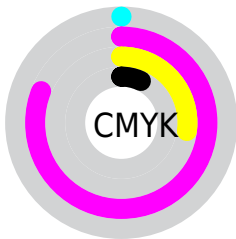
Distribution



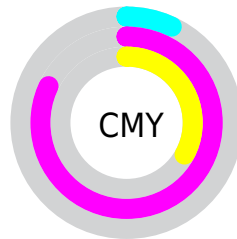
- Red (93%)
- Green (18%)
- Blue (67%)



- Red (93%)
- Yellow (18%)
- Blue (67%)



- Cyan (0%)
- Magenta (81%)
- Yellow (27%)
- Black (7%)





- Cyan (7%)
- Magenta (82%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6882, 0.4024, 0.2124 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 22.6882, 0.4024, 0.2124 by changing the saturation by 10% instead.


 22.6882, 0.4024,
0.2124


 22.6882, 0.4024,
0.2124


266.1195, 0.3558,
0.2709


 14.3634, 0.4145,
0.1980


 47.8808, 0.3851,
0.2336


 8.3739, 0.4302,
0.1798


 65.5175, 0.3787,
0.2416

 4.3351, 0.4513,
0.1561


 87.0270, 0.3734,
0.2483

 1.8627, 0.4809,
0.1248

 112.7936, 0.3688,
0.2542

 0.5258, 0.5283,
0.0767

 143.2017, 0.3649,
0.2592

 0.0000, 0.6113,
0.0000

178.6358, 0.3614,

 0.0000, 1.0000,

0.2636

0.0000

219.4803, 0.3584,
0.2675

■ 0.0000, 0.0000,
0.0000

■ 22.6882, 0.4024,
0.2124

■ 22.6882, 0.4024,
0.2124

■ 21.0706, 0.4171,
0.2113

■ 25.3311, 0.3876,
0.2185

■ 20.2698, 0.4301,
0.2143

■ 29.1425, 0.3733,
0.2290

■ 34.2466, 0.3599,
0.2429

■ 40.7507, 0.3478,
0.2589

■ 48.7507, 0.3372,
0.2762

 58.3342, 0.3279,
0.2937

 69.5819, 0.3200,
0.3109

 82.5688, 0.3133,
0.3275

 95.8393, 0.3078,
0.3407

Harmonies

Analogous

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



22.6882, 0.2586, 0.1627



22.6882, 0.4024, 0.2124



22.6882, 0.5375, 0.2821

Triad

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



22.6882, 0.4024, 0.2124



22.6882, 0.4262, 0.5487



22.6882, 0.1010, 0.2026

Complementary

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



22.6882, 0.4024, 0.2124



61.6664, 0.2818, 0.5135

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.



22.6882, 0.1240, 0.3231



22.6882, 0.4024, 0.2124



22.6882, 0.3077, 0.6020

Square

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



22.6882, 0.4024, 0.2124



22.6882, 0.5291, 0.4492



22.6882, 0.1961, 0.5060



22.6882, 0.1141, 0.1512

Rectangle

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



22.6882, 0.4024, 0.2124



22.6882, 0.5789, 0.3330



22.6882, 0.1961, 0.5060



22.6882, 0.1041, 0.2335

Sweetspot

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



22.6894, 0.4024, 0.2124



65.7236, 0.3307, 0.2882



11.1596, 0.1962, 0.0980



13.1921, 0.3340, 0.2819



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.



22.6894, 0.4024, 0.2124



24.4094, 0.4263, 0.2133



20.2436, 0.5581, 0.3064



15.2230, 0.3189, 0.3135



11.1953, 0.4278, 0.2131



0.8969, 0.4092, 0.2028

Inverse Universe

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



22.6894, 0.4024, 0.2124



24.4094, 0.4263, 0.2133



64.9312, 0.2407, 0.3721



15.2230, 0.3189, 0.3135



11.1953, 0.4278, 0.2131



0.8969, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 22.6882, 0.4024, 0.2124 looks on a white background.

Color Contrast Check

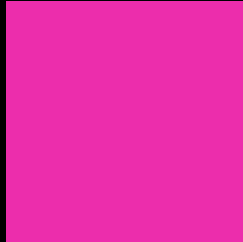
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6882, 0.4024, 0.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

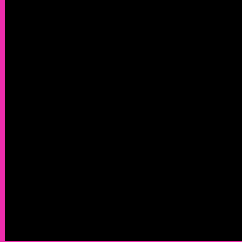
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6882, 0.4024, 0.2124

Background



This preview shows how black text looks on a background with the Yxy color 22.6882, 0.4024, 0.2124.



This preview shows how white text looks on a background with the Yxy color 22.6882, 0.4024, 0.2124.

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

22.6882, 0.4024, 0.2124

Protanopia

23.1727, 0.2001, 0.1780

Deuteranopia

22.9763, 0.2796, 0.2742



Tritanopia

22.7160, 0.5244, 0.3258

Trichromacy



Original Color

22.6882, 0.4024, 0.2124



Protanomaly

18.8418, 0.2434, 0.1724



Deuteranomaly

19.8134, 0.3198, 0.2313



Tritanomaly

22.2900, 0.4844, 0.2817

Monochromacy



Original Color

22.6882, 0.4024, 0.2124



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7619, 0.3489, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6882, 0.4024, 0.2124 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(236, 45, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 45, 172)  
}
```

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(236, 45, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 45, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.6882, 0.4024, 0.2124 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(236, 45, 172) }
```

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

```
.border{ border-color:rgb(236, 45, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 45, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 45, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 45, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 45,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6882, 0.4024, 0.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 45, 172) }
```

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

```
.background{ background-color: rgb(236, 45,  
172) }
```

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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