

Converting Colors

$Y_{xy}(22.8383, 0.3178, 0.1560)$

Have a look what the booklet for
Yxy(22.8383, 0.3178, 0.1560)
contains.

Yxy(22.9024, 0.3186, 0.1565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.9024, 0.3186, 0.1565)

Conversions

Conversions Part 1

Format	Color
Hex	E419E6
RGB	228, 25, 230
RGB Percent	89%, 10%, 90%
CMY	0.1059, 0.9018, 0.0981
CMYK	0.01, 0.89, 0.00, 0.10
HSL	299°, 80%, 50%
HSV	299°, 89%, 90%
XYZ	46.6243, 22.9024, 76.8145
YIQ	109.0670, 55.1830, 106.7910

Conversions

Conversions Part 2

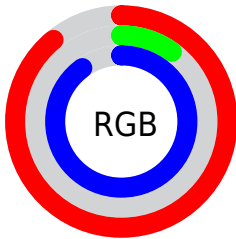
Format	Color
R _Y B	228, 25, 230
Decimal	14948838
CIE Lab	54.97, 88.42, -55.68
CIE LCh	55, 104.489, 327.801
Yxy	22.9024, 0.3186, 0.1565
Android (android.graphics.Color)	4293138918 (0xFFE419E6)
YUV	109.0670, 59.6200, 104.3042
Hunter-Lab	47.8565, 90.1554, -61.6670

Details

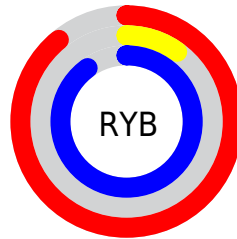
The Yxy color **22.9024, 0.3186, 0.1565** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **56.8885, 0.3007, 0.5914**, and the grayscale version is **15.1339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **11.3808, 0.3124, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **22.2147, 0.3185, 0.1531**, and if you desaturate by 10%, it is **24.3595, 0.3185, 0.1637**.

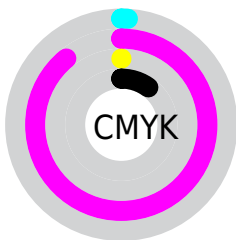
Distribution



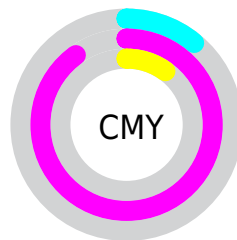
- Red (89%)
- Green (10%)
- Blue (90%)



- Red (89%)
- Yellow (10%)
- Blue (90%)



- Cyan (1%)
- Magenta (89%)
- Yellow (0%)
- Black (10%)




- Cyan (11%)
- Magenta (90%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9024, 0.3186, 0.1565 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 22.9024, 0.3186, 0.1565 by changing the saturation by 10% instead.


 22.9024, 0.3186,
0.1565


 22.9024, 0.3186,
0.1565


267.2233, 0.3208,
0.2355


 14.5215, 0.3166,
0.1396


 48.2330, 0.3205,
0.1832


 8.4842, 0.3133,
0.1195


 65.9515, 0.3209,
0.1938

 4.4063, 0.3077,
0.0958


 87.5512, 0.3211,
0.2031

 1.9034, 0.2981,
0.0683

 113.4167, 0.3211,
0.2112

 0.5504, 0.2816,
0.0356

 143.9322, 0.3211,
0.2183

 0.0000, 0.2517,
0.0000

179.4823, 0.3210,

 0.0000, 0.1835,

0.2247

0.0000

220.4511, 0.3209,
0.2304

■ 0.0000, 0.0000,
0.0000

■ 22.9024, 0.3186,
0.1565

■ 22.9024, 0.3186,
0.1565

■ 22.2147, 0.3185,
0.1531

■ 24.3595, 0.3185,
0.1637

■ 22.1674, 0.3185,
0.1528

■ 26.7895, 0.3183,
0.1752

■ 30.3259, 0.3178,
0.1909

■ 35.0805, 0.3172,
0.2103

■ 41.1516, 0.3164,
0.2325

■ 48.6271, 0.3156,
0.2566

■ 57.5879, 0.3146,
0.2816

■ 68.1081, 0.3136,
0.3067

■ 80.2575, 0.3126,
0.3311

Harmonies

Analogous

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



22.9024, 0.1769, 0.1195



22.9024, 0.3186, 0.1565



22.9024, 0.5105, 0.2226

Triad

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



22.9024, 0.3186, 0.1565



22.9024, 0.4971, 0.5029



22.9024, 0.0751, 0.2326

Complementary

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



22.9024, 0.3186, 0.1565



56.8885, 0.3007, 0.5914

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.



22.9024, 0.1204, 0.4431



22.9024, 0.3186, 0.1565



22.9024, 0.3593, 0.6362

Square

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



22.9024, 0.3186, 0.1565



22.9024, 0.6063, 0.3862



22.9024, 0.2250, 0.6588



22.9024, 0.0734, 0.1411

Rectangle

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



22.9024, 0.3186, 0.1565



22.9024, 0.6058, 0.2739



22.9024, 0.2250, 0.6588



22.9024, 0.0840, 0.2877

Sweetspot

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



22.9035, 0.3186, 0.1565



63.5351, 0.3154, 0.2615



6.7711, 0.1554, 0.0696



12.8334, 0.3157, 0.2530



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.



22.9035, 0.3186, 0.1565



28.0157, 0.3185, 0.1528



19.1535, 0.4668, 0.2412



14.6078, 0.3136, 0.3058



12.5552, 0.3185, 0.1528



0.9301, 0.3189, 0.1530

Inverse Universe

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



17.5961, 0.6206, 0.3292



21.2654, 0.6394, 0.3296



58.2496, 0.2712, 0.4886



14.3702, 0.3291, 0.3288



9.5280, 0.6390, 0.3294



0.7049, 0.6360, 0.3277

Previews

White Background



This preview shows how the Yxy color 22.9024, 0.3186, 0.1565 looks on a white background.

Color Contrast Check

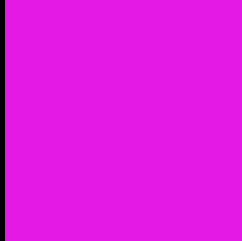
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9024, 0.3186, 0.1565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

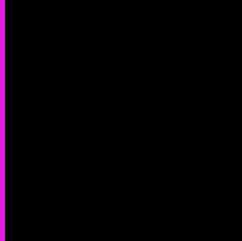
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9024, 0.3186, 0.1565

Background



This preview shows how black text looks on a background with the Yxy color 22.9024, 0.3186, 0.1565.



This preview shows how white text looks on a background with the Yxy color 22.9024, 0.3186, 0.1565.

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

22.9024, 0.3186, 0.1565

Protanopia

23.4706, 0.1841, 0.1580

Deuteranopia

23.3952, 0.2076, 0.2023



Tritanopia

22.8323, 0.4770, 0.3226

Trichromacy



Original Color

22.9024, 0.3186, 0.1565



Protanomaly

17.9875, 0.2062, 0.1332



Deuteranomaly

18.2124, 0.2315, 0.1577



Tritanomaly

21.2696, 0.4186, 0.2442

Monochromacy



Original Color

22.9024, 0.3186, 0.1565



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4241, 0.3167, 0.2133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9024, 0.3186, 0.1565 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(228, 25, 230)` looks like.

```
.text, #text, p{  
    color:rgb(228, 25, 230)  
}
```

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(228, 25, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 25, 230) }
```

Border

The CSS property to change the border of an element to Yxy 22.9024, 0.3186, 0.1565 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(228, 25, 230) }
```

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

```
.border{ border-color:rgb(228, 25, 230) }
```

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

Here you see how a box with a 4 pixel rgb(228, 25, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 25, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 25, 230);  
box-shadow:4px 4px 4px 4px rgb(228, 25,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9024, 0.3186, 0.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 25, 230) }
```

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

```
.background{ background-color: rgb(228, 25,  
230) }
```

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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