

Converting Colors

Yxy(24.5116, 0.3252, 0.1565)

Have a look what the booklet for
Yxy(24.5116, 0.3252, 0.1565)
contains.

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Color

Yxy(24.5814, 0.3252, 0.1565)

Conversions

Conversions Part 1

Format	Color
Hex	F000EC
RGB	240, 0, 236
RGB Percent	94%, 0%, 93%
CMY	0.0588, 1.0000, 0.0745
CMYK	0.00, 1.00, 0.02, 0.06
HSL	301°, 100%, 47%
HSV	301°, 100%, 94%
XYZ	51.0790, 24.5814, 81.4092
YIQ	98.6640, 67.2840, 124.2760

Conversions

Conversions Part 2

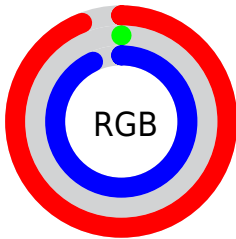
Format	Color
R _Y B	240, 0, 236
Decimal	15728876
CIE Lab	56.67, 93.30, -56.24
CIE LCh	57, 108.937, 328.919
Yxy	24.5814, 0.3252, 0.1565
Android (android.graphics.Color)	4293918956 (0xFFFF00EC)
YUV	98.6640, 67.7066, 123.9517
Hunter-Lab	49.5796, 97.1339, -62.6478

Details

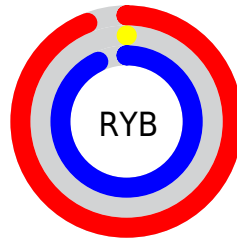
The Yxy color **24.5814, 0.3252, 0.1565** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **62.3382, 0.2998, 0.5992**, and the grayscale version is **12.2046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.8384, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **24.5841, 0.3252, 0.1565**, and if you desaturate by 10%, it is **25.2608, 0.3246, 0.1593**.

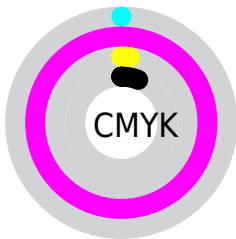
Distribution



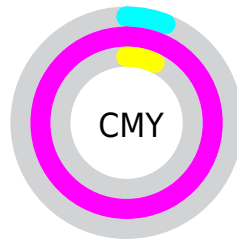
- Red (94%)
- Green (0%)
- Blue (93%)



- Red (94%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5814, 0.3252, 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 24.5814, 0.3252, 0.1565 by changing the saturation by 10% instead.


 24.5814, 0.3252,
0.1565


 24.5814, 0.3252,
0.1565


275.7468, 0.3241,
0.2344


 15.7655, 0.3241,
0.1400


 50.9773, 0.3259,
0.1826


 9.3583, 0.3219,
0.1206


 69.3261, 0.3258,
0.1931

 4.9756, 0.3180,
0.0977


 91.6212, 0.3256,
0.2022

 2.2330, 0.3107,
0.0711

 118.2472, 0.3254,
0.2102

 0.7379, 0.2973,
0.0414

 149.5883, 0.3251,
0.2173

 0.0000, 0.2752,
0.0000

186.0291, 0.3247,


 0.0000, 0.2221,

0.2236


0.0000


227.9537, 0.3244,
0.2293


 0.0000, 0.0000,
0.0000


 24.5814, 0.3252,
0.1565


 24.5814, 0.3252,
0.1565

 24.5841, 0.3252,
0.1565

 25.2608, 0.3246,
0.1593

 26.7451, 0.3238,
0.1657

 29.2897, 0.3228,
0.1765

 33.0448, 0.3216,
0.1915

 38.1363, 0.3202,
0.2102

■ 44.6745, 0.3187,
0.2319

■ 52.7582, 0.3172,
0.2555

■ 62.4774, 0.3156,
0.2801

■ 73.9153, 0.3141,
0.3048

Harmonies

Analogous

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



24.5814, 0.1791, 0.1182



24.5814, 0.3252, 0.1565



24.5814, 0.5205, 0.2237

Triad

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



24.5814, 0.3252, 0.1565



24.5814, 0.4922, 0.5078



24.5814, 0.0720, 0.2252

Complementary

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



24.5814, 0.3252, 0.1565



62.3382, 0.2998, 0.5992

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.



24.5814, 0.1147, 0.4348



24.5814, 0.3252, 0.1565



24.5814, 0.3521, 0.6436

Square

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



24.5814, 0.3252, 0.1565



24.5814, 0.6064, 0.3887



24.5814, 0.2177, 0.6617



24.5814, 0.0718, 0.1368

Rectangle

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



24.5814, 0.3252, 0.1565



24.5814, 0.6139, 0.2752



24.5814, 0.2177, 0.6617



24.5814, 0.0802, 0.2793

Sweetspot

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



24.5841, 0.3252, 0.1565



60.4380, 0.3172, 0.2552



6.3180, 0.1504, 0.0602



12.0503, 0.3178, 0.2451



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.



24.5841, 0.3252, 0.1565



28.2083, 0.3252, 0.1565



19.7891, 0.5066, 0.2564



16.0266, 0.3141, 0.3061



13.4579, 0.3251, 0.1565



1.1210, 0.3245, 0.1561

Inverse Universe

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



24.5841, 0.3252, 0.1565



28.2083, 0.3252, 0.1565



63.7848, 0.2716, 0.4978



16.0266, 0.3141, 0.3061



13.4579, 0.3251, 0.1565



1.1210, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 24.5814, 0.3252, 0.1565 looks on a white background.

Color Contrast Check

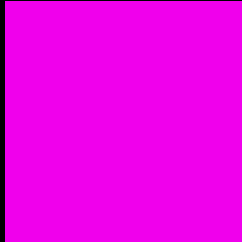
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5814, 0.3252, 0.1565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

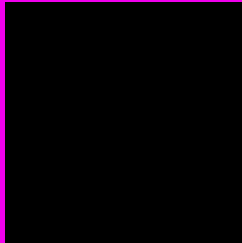
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5814, 0.3252, 0.1565

Background



This preview shows how black text looks on a background with the Yxy color 24.5814, 0.3252, 0.1565.



This preview shows how white text looks on a background with the Yxy color 24.5814, 0.3252, 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

24.5814, 0.3252, 0.1565

Protanopia

25.3347, 0.1906, 0.1663

Deuteranopia

25.4293, 0.2103, 0.2048



Tritanopia

24.7371, 0.4860, 0.3231

Trichromacy



Original Color

24.5814, 0.3252, 0.1565



Protanomaly

18.1798, 0.2143, 0.1311



Deuteranomaly

18.2763, 0.2347, 0.1504



Tritanomaly

22.1208, 0.4290, 0.2395

Monochromacy



Original Color

24.5814, 0.3252, 0.1565



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.2090, 0.3204, 0.1978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5814, 0.3252, 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(240, 0, 236)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 236)  
}
```

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(240, 0, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 236) }
```

Border

The CSS property to change the border of an element to Yxy 24.5814, 0.3252, 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(240, 0, 236) }
```

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

```
.border{ border-color:rgb(240, 0, 236) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5814, 0.3252, 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(240, 0, 236) }
```

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

```
.background{ background-color: rgb(240, 0,  
236) }
```

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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