

Converting Colors

$Y_{xy}(25.4554, 0.3013, 0.1455)$

Have a look what the booklet for
Yxy(25.4554, 0.3013, 0.1455)
contains.

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Color

Yxy(25.3825, 0.3009, 0.1453)

Conversions

Conversions Part 1

Format	Color
Hex	EB14FF
RGB	235, 20, 255
RGB Percent	92%, 8%, 100%
CMY	0.0784, 0.9217, 0.0000
CMYK	0.08, 0.92, 0.00, 0.00
HSL	295°, 100%, 54%
HSV	295°, 92%, 100%
XYZ	52.5643, 25.3825, 96.7435
YIQ	111.0750, 52.7050, 118.6650

Conversions

Conversions Part 2

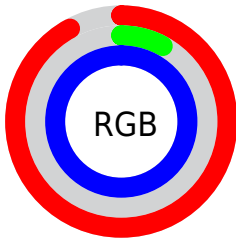
Format	Color
R _Y B	235, 20, 255
Decimal	15406335
CIE Lab	57.45, 93.83, -65.64
CIE LCh	57, 114.515, 325.026
Yxy	25.3825, 0.3009, 0.1453
Android (android.graphics.Color)	4293596415 (0xFFEB14FF)
YUV	111.0750, 70.9550, 108.6822
Hunter-Lab	50.3810, 98.0685, -78.5840

Details

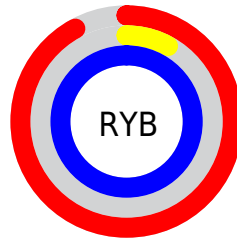
The Yxy color **25.3825, 0.3009, 0.1453** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **72.0206, 0.3028, 0.5932**, and the grayscale version is **15.6931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **13.0299, 0.2915, 0.1380** is the 20% darker color. If you saturate the color by 10%, you get **24.5963, 0.2992, 0.1422**, and if you desaturate by 10%, it is **27.1678, 0.3030, 0.1525**.

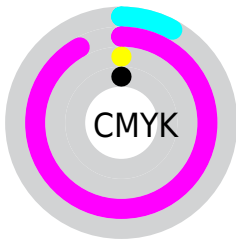
Distribution



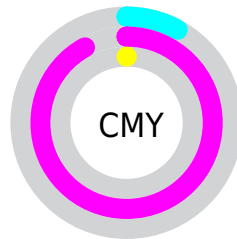
- Red (92%)
- Green (8%)
- Blue (100%)



- Red (92%)
- Yellow (8%)
- Blue (100%)



- Cyan (8%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3825, 0.3009, 0.1453 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 25.3825, 0.3009, 0.1453 by changing the saturation by 10% instead.


 25.3825, 0.3009,
0.1453

 25.3825, 0.3009,
0.1453


279.7375, 0.3126,
0.2261


 16.3623, 0.2966,
0.1288


 52.2771, 0.3063,
0.1719


 9.7809, 0.2906,
0.1097


 70.9202, 0.3080,
0.1827


 5.2539, 0.2818,
0.0877


 93.5397, 0.3093,
0.1922

 2.3970, 0.2686,
0.0628

 120.5201, 0.3103,
0.2006

 0.8243, 0.2480,
0.0363

 152.2456, 0.3111,
0.2080

 0.0000, 0.2180,
0.0000

189.1008, 0.3117,

 0.0000, 0.1636,

0.2147

0.0000

231.4700, 0.3122,
0.2206

■ 0.0000, 0.0000,
0.0000

■ 25.3825, 0.3009,
0.1453

■ 25.3825, 0.3009,
0.1453

■ 24.5963, 0.2992,
0.1422

■ 27.1678, 0.3030,
0.1525

■ 30.1333, 0.3051,
0.1641

■ 34.4626, 0.3069,
0.1801

■ 40.3072, 0.3085,
0.1999

■ 47.7987, 0.3099,
0.2227

■ 57.0542, 0.3110,
0.2474

■ 68.1803, 0.3118,
0.2731

■ 81.2750, 0.3123,
0.2987

■ 96.4297, 0.3127,
0.3237

Harmonies

Analogous

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



25.3825, 0.1616, 0.1109



25.3825, 0.3009, 0.1453



25.3825, 0.5029, 0.2102

Triad

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



25.3825, 0.3009, 0.1453



25.3825, 0.5105, 0.4895



25.3825, 0.0693, 0.2400

Complementary

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



25.3825, 0.3009, 0.1453



72.0206, 0.3028, 0.5932

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.



25.3825, 0.1184, 0.4760



25.3825, 0.3009, 0.1453



25.3825, 0.3661, 0.6339

Square

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



25.3825, 0.3009, 0.1453



25.3825, 0.6225, 0.3721



25.3825, 0.2279, 0.6884



25.3825, 0.0656, 0.1385

Rectangle

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



25.3825, 0.3009, 0.1453



25.3825, 0.6107, 0.2615



25.3825, 0.2279, 0.6884



25.3825, 0.0791, 0.3021

Sweetspot

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



25.3831, 0.3009, 0.1453



61.4615, 0.3113, 0.2581



9.1303, 0.1554, 0.0738



12.1805, 0.3109, 0.2470



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.



25.3831, 0.3009, 0.1453



24.5963, 0.2992, 0.1422



24.3318, 0.4432, 0.2250



18.2172, 0.3124, 0.3055



12.8848, 0.2996, 0.1424



1.2767, 0.3022, 0.1438

Inverse Universe

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



21.9119, 0.6175, 0.3231



21.3167, 0.6330, 0.3261



72.8828, 0.2794, 0.5210



18.0121, 0.3281, 0.3270



11.1470, 0.6310, 0.3250



1.0935, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 25.3825, 0.3009, 0.1453 looks on a white background.

Color Contrast Check

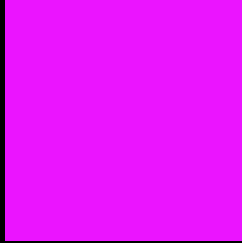
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3825, 0.3009, 0.1453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

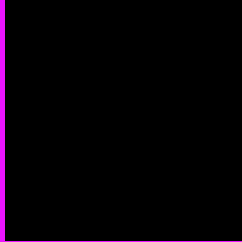
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3825, 0.3009, 0.1453

Background



This preview shows how black text looks on a background with the Yxy color 25.3825, 0.3009, 0.1453.



This preview shows how white text looks on a background with the Yxy color 25.3825, 0.3009, 0.1453.

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

25.3825, 0.3009, 0.1453

Protanopia

26.0038, 0.1923, 0.1693

Deuteranopia

25.9173, 0.1931, 0.1868



Tritanopia

25.1418, 0.4597, 0.3213

Trichromacy



Original Color

25.3825, 0.3009, 0.1453



Protanomaly

20.0352, 0.2131, 0.1349



Deuteranomaly

19.0959, 0.2104, 0.1401



Tritanomaly

23.0552, 0.4004, 0.2337

Monochromacy



Original Color

25.3825, 0.3009, 0.1453



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.1610, 0.3091, 0.2033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3825, 0.3009, 0.1453 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(235, 20, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 20, 255)  
}
```

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(235, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 20, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.3825, 0.3009, 0.1453 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(235, 20, 255) }
```

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

```
.border{ border-color:rgb(235, 20, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 20, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 20,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3825, 0.3009, 0.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 20, 255) }
```

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

```
.background{ background-color: rgb(235, 20,  
255) }
```

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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