

Converting Colors

$Y_{xy}(20.9310, 0.3033, 0.1445)$

Have a look what the booklet for
Yxy(20.9310, 0.3033, 0.1445)
contains.

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Color

Yxy(20.9036, 0.3025, 0.1440)

Conversions

Conversions Part 1

Format	Color
Hex	DA00EB
RGB	218, 0, 235
RGB Percent	85%, 0%, 92%
CMY	0.1451, 1.0000, 0.0783
CMYK	0.07, 1.00, 0.00, 0.08
HSL	296°, 100%, 46%
HSV	296°, 100%, 92%
XYZ	43.9121, 20.9036, 80.3482
YIQ	91.9720, 54.4930, 119.3010

Conversions

Conversions Part 2

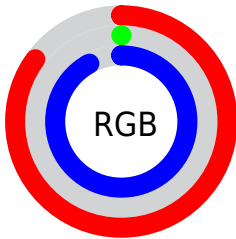
Format	Color
R_{YB}	218, 0, 235
Decimal	14287083
CIE _{Lab}	52.84, 89.79, -62.04
CIE _{LCh}	53, 109.137, 325.360
Yxy	20.9036, 0.3025, 0.1440
Android (android.graphics.Color)	4292477163 (0xFFDA00EB)
YUV	91.9720, 70.5128, 110.5266
Hunter-Lab	45.7205, 91.4290, -72.1907

Details

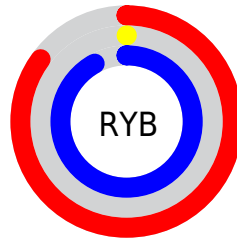
The Yxy color **20.9036, 0.3025, 0.1440** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **59.5596, 0.3012, 0.5990**, and the grayscale version is **10.5223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.4835, 0.2928, 0.1387** is the 20% darker color. If you saturate the color by 10%, you get **20.9052, 0.3025, 0.1440**, and if you desaturate by 10%, it is **21.8024, 0.3043, 0.1483**.

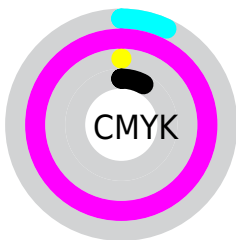
Distribution



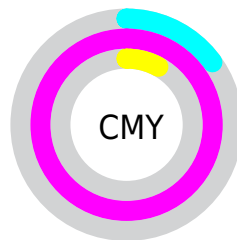
- Red (85%)
- Green (0%)
- Blue (92%)



- Red (85%)
- Yellow (0%)
- Blue (92%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (15%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9036, 0.3025, 0.1440 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 20.9036, 0.3025, 0.1440 by changing the saturation by 10% instead.


 20.9036, 0.3025,
0.1440


 20.9036, 0.3025,
0.1440


256.7657, 0.3137,
0.2281


 13.0536, 0.2981,
0.1263


 44.9270, 0.3079,
0.1722

 7.4654, 0.2916,
0.1057


 61.8692, 0.3095,
0.1835


 3.7548, 0.2818,
0.0818


 82.6109, 0.3108,
0.1933

 1.5374, 0.2665,
0.0549

 107.5365, 0.3117,
0.2020

 0.3148, 0.2436,
0.0202

 137.0304, 0.3124,
0.2097

 0.0000, 0.2021,
0.0000

 171.4770, 0.3130,

 0.0000, 0.1160,

0.2165


0.0000


211.2606, 0.3134,
0.2226


 0.0000, 0.0000,
0.0000


 20.9036, 0.3025,
0.1440

 20.9036, 0.3025,
0.1440


 20.9052, 0.3025,
0.1440

 21.8024, 0.3043,
0.1483

 23.4699, 0.3061,
0.1563

 26.1505, 0.3077,
0.1687

 29.9864, 0.3091,
0.1854

 35.0973, 0.3103,
0.2057

■ 41.5879, 0.3112,
0.2287

■ 49.5520, 0.3119,
0.2534

■ 59.0751, 0.3124,
0.2790

■ 70.2364, 0.3126,
0.3044

Harmonies

Analogous

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



20.9036, 0.1610, 0.1092



20.9036, 0.3025, 0.1440



20.9036, 0.5079, 0.2094

Triad

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



20.9036, 0.3025, 0.1440



20.9036, 0.5093, 0.4907



20.9036, 0.0669, 0.2363

Complementary

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



20.9036, 0.3025, 0.1440



59.5596, 0.3012, 0.5990

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.



20.9036, 0.1148, 0.4751



20.9036, 0.3025, 0.1440



20.9036, 0.3624, 0.6376

Square

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



20.9036, 0.3025, 0.1440



20.9036, 0.6258, 0.3725



20.9036, 0.2238, 0.6940



20.9036, 0.0638, 0.1357

Rectangle

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



20.9036, 0.3025, 0.1440



20.9036, 0.6163, 0.2608



20.9036, 0.2238, 0.6940



20.9036, 0.0763, 0.2986

Sweetspot

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



20.9052, 0.3025, 0.1440



59.4831, 0.3119, 0.2531



6.4864, 0.1512, 0.0643



11.8177, 0.3116, 0.2425



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.



20.9052, 0.3025, 0.1440



25.1398, 0.3024, 0.1440



19.4783, 0.4635, 0.2327



15.2550, 0.3126, 0.3057



11.6543, 0.3028, 0.1442



0.9318, 0.3055, 0.1456

Inverse Universe

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



17.7097, 0.6340, 0.3266



21.3053, 0.6344, 0.3268



60.3206, 0.2806, 0.5303



15.0718, 0.3282, 0.3273



9.8592, 0.6321, 0.3256



0.7804, 0.6121, 0.3145

Previews

White Background



This preview shows how the Yxy color 20.9036, 0.3025, 0.1440 looks on a white background.

Color Contrast Check

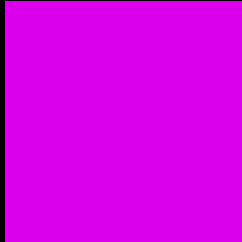
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9036, 0.3025, 0.1440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

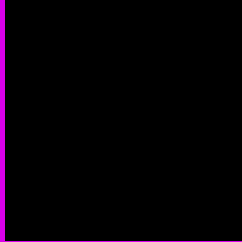
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9036, 0.3025, 0.1440

Background



This preview shows how black text looks on a background with the Yxy color 20.9036, 0.3025, 0.1440.



This preview shows how white text looks on a background with the Yxy color 20.9036, 0.3025, 0.1440.

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

20.9036, 0.3025, 0.1440

Protanopia

21.7093, 0.1778, 0.1498

Deuteranopia

21.6779, 0.1937, 0.1878



Tritanopia

21.1117, 0.4624, 0.3207

Trichromacy



Original Color

20.9036, 0.3025, 0.1440



Protanomaly

14.9354, 0.1914, 0.1147



Deuteranomaly

15.0363, 0.2099, 0.1340



Tritanomaly

18.6759, 0.4040, 0.2292

Monochromacy



Original Color

20.9036, 0.3025, 0.1440



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5448, 0.3097, 0.1912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9036, 0.3025, 0.1440 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(218, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 235)  
}
```

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(218, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 235) }
```

Border

The CSS property to change the border of an element to Yxy 20.9036, 0.3025, 0.1440 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(218, 0, 235) }
```

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

```
.border{ border-color:rgb(218, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9036, 0.3025, 0.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 235) }
```

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

```
.background{ background-color: rgb(218, 0,  
235) }
```

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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