

Converting Colors

$Y_{xy}(20.3377, 0.2955, 0.1402)$

Have a look what the booklet for
Yxy(20.3377, 0.2955, 0.1402)
contains.

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Color

Yxy(20.2606, 0.2951, 0.1400)

Conversions

Conversions Part 1

Format	Color
Hex	D501ED
RGB	213, 1, 237
RGB Percent	84%, 0%, 93%
CMY	0.1650, 0.9975, 0.0707
CMYK	0.10, 1.00, 0.00, 0.07
HSL	294°, 99%, 47%
HSV	294°, 100%, 93%
XYZ	42.7065, 20.2606, 81.7515
YIQ	91.2920, 50.5960, 118.3400

Conversions

Conversions Part 2

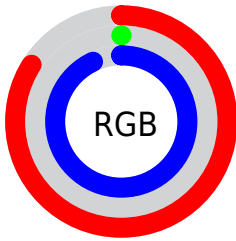
Format	Color
R_{YB}	213, 1, 237
Decimal	13959661
CIE _{Lab}	52.13, 89.30, -64.31
CIE _{LCh}	52, 110.044, 324.238
Yxy	20.2606, 0.2951, 0.1400
Android (android.graphics.Color)	4292149741 (0xFFD501ED)
YUV	91.2920, 71.8340, 106.7379
Hunter-Lab	45.0118, 90.5873, -76.1757

Details

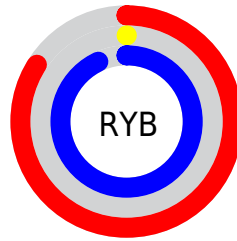
The Yxy color **20.2606, 0.2951, 0.1400** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **60.7505, 0.3020, 0.5982**, and the grayscale version is **10.2995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.0676, 0.2833, 0.1335** is the 20% darker color. If you saturate the color by 10%, you get **20.2381, 0.2950, 0.1399**, and if you desaturate by 10%, it is **21.2776, 0.2977, 0.1448**.

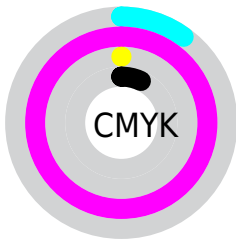
Distribution



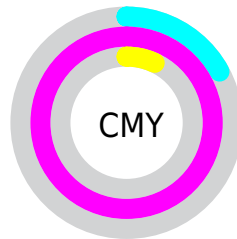
- Red (84%)
- Green (0%)
- Blue (93%)



- Red (84%)
- Yellow (0%)
- Blue (93%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (17%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2606, 0.2951, 0.1400 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 20.2606, 0.2951, 0.1400 by changing the saturation by 10% instead.


 20.2606, 0.2951,
0.1400


 20.2606, 0.2951,
0.1400


253.3224, 0.3104,
0.2257

 12.5846, 0.2896,
0.1221


 43.8537, 0.3020,
0.1686


 7.1431, 0.2818,
0.1013


 60.5395, 0.3042,
0.1802


 3.5518, 0.2703,
0.0774


 80.9975, 0.3059,
0.1902

 1.4261, 0.2529,
0.0508

 105.6119, 0.3072,
0.1991

 0.2359, 0.2276,
0.0150

 134.7673, 0.3083,
0.2069

 0.0000, 0.1827,
0.0000

 168.8479, 0.3091,

 0.0000, 0.0880,

0.2139

0.0000

208.2381, 0.3098,
0.2201

■ 0.0000, 0.0000,
0.0000

■ 20.2606, 0.2951,
0.1400

■ 20.2606, 0.2951,
0.1400

■ 20.2381, 0.2950,
0.1399

■ 21.2776, 0.2977,
0.1448

■ 23.0950, 0.3003,
0.1535

■ 25.9515, 0.3028,
0.1667

■ 29.9918, 0.3050,
0.1840

■ 35.3373, 0.3071,
0.2050

■ 42.0946, 0.3088,
0.2285

■ 50.3591, 0.3102,
0.2537

■ 60.2181, 0.3113,
0.2795

■ 71.7519, 0.3122,
0.3050

Harmonies

Analogous

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



20.2606, 0.1553, 0.1064



20.2606, 0.2951, 0.1400



20.2606, 0.5034, 0.2047

Triad

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



20.2606, 0.2951, 0.1400



20.2606, 0.5150, 0.4850



20.2606, 0.0652, 0.2403

Complementary

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



20.2606, 0.2951, 0.1400



60.7505, 0.3020, 0.5982

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.



20.2606, 0.1147, 0.4892



20.2606, 0.2951, 0.1400



20.2606, 0.3654, 0.6346

Square

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



20.2606, 0.2951, 0.1400



20.2606, 0.6321, 0.3672



20.2606, 0.2254, 0.7036



20.2606, 0.0613, 0.1353

Rectangle

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



20.2606, 0.2951, 0.1400



20.2606, 0.6167, 0.2561



20.2606, 0.2254, 0.7036



20.2606, 0.0750, 0.3055

Sweetspot

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



20.2615, 0.2951, 0.1400



59.0744, 0.3102, 0.2527



6.9566, 0.1521, 0.0674



11.7184, 0.3096, 0.2419



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.



20.2615, 0.2951, 0.1400



23.8891, 0.2949, 0.1398



20.0987, 0.4492, 0.2250



15.2314, 0.3122, 0.3057



11.0866, 0.2955, 0.1401



0.8930, 0.2992, 0.1422

Inverse Universe

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



18.0806, 0.6299, 0.3245



21.3343, 0.6308, 0.3249



61.3100, 0.2833, 0.5398



15.0789, 0.3277, 0.3266



9.8748, 0.6280, 0.3233



0.7838, 0.6017, 0.3088

Previews

White Background



This preview shows how the Yxy color 20.2606, 0.2951, 0.1400 looks on a white background.

Color Contrast Check

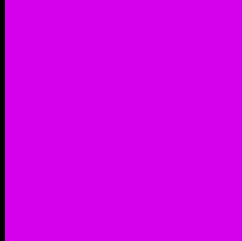
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2606, 0.2951, 0.1400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

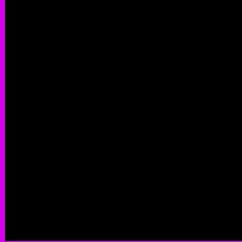
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2606, 0.2951, 0.1400

Background



This preview shows how black text looks on a background with the Yxy color 20.2606, 0.2951, 0.1400.



This preview shows how white text looks on a background with the Yxy color 20.2606, 0.2951, 0.1400.

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

20.2823, 0.2951, 0.1401

Protanopia

21.0139, 0.1751, 0.1465

Deuteranopia

21.1594, 0.1884, 0.1829



Tritanopia

20.4653, 0.4547, 0.3216

Trichromacy



Original Color

20.2823, 0.2951, 0.1401



Protanomaly

14.1598, 0.1844, 0.1106



Deuteranomaly

14.4027, 0.2003, 0.1288



Tritanomaly

17.8544, 0.3946, 0.2248

Monochromacy



Original Color

20.2823, 0.2951, 0.1401



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.1906, 0.3051, 0.1880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2606, 0.2951, 0.1400 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(213, 1, 237)` looks like.

```
.text, #text, p{  
    color:rgb(213, 1, 237)  
}
```

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(213, 1, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 1, 237) }
```

Border

The CSS property to change the border of an element to Yxy 20.2606, 0.2951, 0.1400 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(213, 1, 237) }
```

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

```
.border{ border-color:rgb(213, 1, 237) }
```

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

Here you see how a box with a 4 pixel rgb(213, 1, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 1, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 1, 237);  
box-shadow:4px 4px 4px 4px rgb(213, 1,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2606, 0.2951, 0.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 1, 237) }
```

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

```
.background{ background-color: rgb(213, 1,  
237) }
```

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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