

Converting Colors

$Y_{xy}(20.4218, 0.2773, 0.1321)$

Have a look what the booklet for
Yxy(20.4218, 0.2773, 0.1321)
contains.

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Color

Yxy(20.3623, 0.2769, 0.1319)

Conversions

Conversions Part 1

Format	Color
Hex	CE11F9
RGB	206, 17, 249
RGB Percent	81%, 7%, 98%
CMY	0.1922, 0.9329, 0.0237
CMYK	0.17, 0.93, 0.00, 0.02
HSL	289°, 95%, 52%
HSV	289°, 93%, 98%
XYZ	42.7469, 20.3623, 91.2676
YIQ	99.9590, 38.1720, 112.2200

Conversions

Conversions Part 2

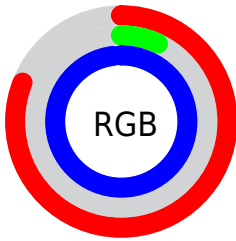
Format	Color
R _Y B	206, 17, 249
Decimal	13505017
CIE Lab	52.24, 88.93, -70.91
CIE LCh	52, 113.737, 321.430
Yxy	20.3623, 0.2769, 0.1319
Android (android.graphics.Color)	4291695097 (0xFFCE11F9)
YUV	99.9590, 73.4772, 92.9980
Hunter-Lab	45.1246, 90.1266, -88.3308

Details

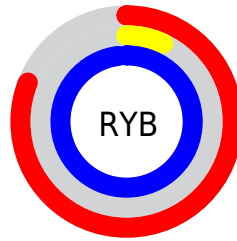
The Yxy color **20.3623, 0.2769, 0.1319** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **68.7313, 0.3076, 0.5901**, and the grayscale version is **12.5528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **9.8726, 0.2618, 0.1216** is the 20% darker color. If you saturate the color by 10%, you get **19.5091, 0.2736, 0.1281**, and if you desaturate by 10%, it is **22.2856, 0.2819, 0.1406**.

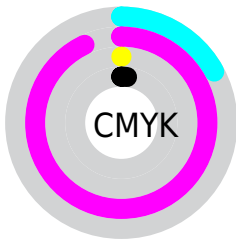
Distribution



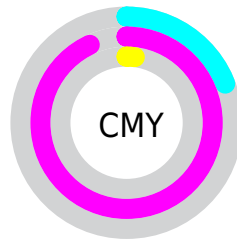
- Red (81%)
- Green (7%)
- Blue (98%)



- Red (81%)
- Yellow (7%)
- Blue (98%)



- Cyan (17%)
- Magenta (93%)
- Yellow (0%)
- Black (2%)




- Cyan (19%)
- Magenta (93%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3623, 0.2769, 0.1319 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 20.3623, 0.2769, 0.1319 by changing the saturation by 10% instead.


 20.3623, 0.2769,
0.1319

 20.3623, 0.2769,
0.1319

253.8698, 0.3017,
0.2198


 12.6587, 0.2692,
0.1141


 44.0238, 0.2872,
0.1609


 7.1939, 0.2588,
0.0936


 60.7504, 0.2907,
0.1726


 3.5837, 0.2442,
0.0704


 81.2535, 0.2935,
0.1830

 1.4435, 0.2233,
0.0453

 105.9175, 0.2958,
0.1921

 0.2485, 0.1942,
0.0135

 135.1267, 0.2977,
0.2002

 0.0000, 0.1487,
0.0000

 169.2655, 0.2992,

 0.0000, 0.0663,

0.2074

0.0000

208.7184, 0.3006,
0.2139

■ 0.0000, 0.0000,
0.0000

■ 20.3623, 0.2769,
0.1319

■ 20.3623, 0.2769,
0.1319

■ 19.5091, 0.2736,
0.1281

■ 22.2856, 0.2819,
0.1406

■ 25.3219, 0.2868,
0.1539

■ 29.6484, 0.2917,
0.1717

■ 35.4102, 0.2963,
0.1932

■ 42.7328, 0.3005,
0.2175

■ 51.7281, 0.3042,
0.2434

■ 62.4975, 0.3073,
0.2699

■ 75.1343, 0.3100,
0.2961

■ 89.7252, 0.3121,
0.3214

Harmonies

Analogous

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



20.3623, 0.1430, 0.1012



20.3623, 0.2769, 0.1319



20.3623, 0.4884, 0.1945

Triad

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



20.3623, 0.2769, 0.1319



20.3623, 0.5293, 0.4707



20.3623, 0.0631, 0.2533

Complementary

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



20.3623, 0.2769, 0.1319



68.7313, 0.3076, 0.5901

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.



20.3623, 0.1175, 0.5244



20.3623, 0.2769, 0.1319



20.3623, 0.3757, 0.6243

Square

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



20.3623, 0.2769, 0.1319



20.3623, 0.6441, 0.3545



20.3623, 0.2320, 0.7189



20.3623, 0.0568, 0.1368

Rectangle

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



20.3623, 0.2769, 0.1319



20.3623, 0.6127, 0.2458



20.3623, 0.2320, 0.7189



20.3623, 0.0742, 0.3258

Sweetspot

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



20.3631, 0.2769, 0.1319



60.1713, 0.3058, 0.2569



10.5666, 0.1590, 0.0878



11.8644, 0.3044, 0.2454



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.



20.3631, 0.2769, 0.1319



20.5929, 0.2735, 0.1280



23.8084, 0.4082, 0.2049



17.3524, 0.3108, 0.3054



10.5048, 0.2743, 0.1285



1.0136, 0.2802, 0.1317

Inverse Universe

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



20.8643, 0.5969, 0.3108



21.4673, 0.6151, 0.3162



68.5303, 0.2873, 0.5499



17.2777, 0.3265, 0.3246



10.9017, 0.6116, 0.3143



1.0234, 0.5808, 0.2973

Previews

White Background



This preview shows how the Yxy color 20.3623, 0.2769, 0.1319 looks on a white background.

Color Contrast Check

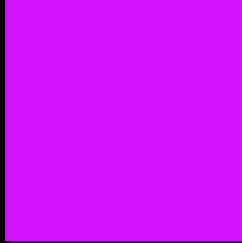
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3623, 0.2769, 0.1319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

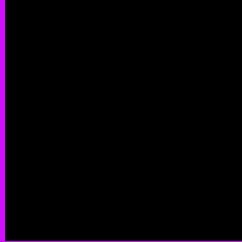
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3623, 0.2769, 0.1319

Background



This preview shows how black text looks on a background with the Yxy color 20.3623, 0.2769, 0.1319.



This preview shows how white text looks on a background with the Yxy color 20.3623, 0.2769, 0.1319.

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

20.3623, 0.2769, 0.1319

Protanopia

20.9206, 0.1742, 0.1461

Deuteranopia

20.8202, 0.1835, 0.1804



Tritanopia

20.1944, 0.4299, 0.3196

Trichromacy



Original Color

20.3623, 0.2769, 0.1319



Protanomaly

14.8561, 0.1792, 0.1115



Deuteranomaly

14.3585, 0.1847, 0.1257



Tritanomaly

18.0280, 0.3683, 0.2198

Monochromacy



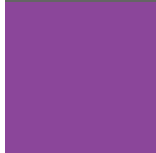
Original Color

20.3623, 0.2769, 0.1319



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.2024, 0.2972, 0.1943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3623, 0.2769, 0.1319 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(206, 17, 249)` looks like.

```
.text, #text, p{  
    color:rgb(206, 17, 249)  
}
```

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(206, 17, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 17, 249) }
```

Border

The CSS property to change the border of an element to Yxy 20.3623, 0.2769, 0.1319 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(206, 17, 249) }
```

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

```
.border{ border-color:rgb(206, 17, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 17, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 17, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 17, 249);  
box-shadow:4px 4px 4px 4px rgb(206, 17,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3623, 0.2769, 0.1319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 17, 249) }
```

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

```
.background{ background-color: rgb(206, 17,  
249) }
```

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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