

Converting Colors

$Y_{xy}(20.6029, 0.2903, 0.1373)$

Have a look what the booklet for
Yxy(20.6029, 0.2903, 0.1373)
contains.

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Color

Yxy(20.5569, 0.2904, 0.1373)

Conversions

Conversions Part 1

Format	Color
Hex	D500F2
RGB	213, 0, 242
RGB Percent	84%, 0%, 95%
CMY	0.1645, 1.0000, 0.0510
CMYK	0.12, 1.00, 0.00, 0.05
HSL	293°, 100%, 47%
HSV	293°, 100%, 95%
XYZ	43.4794, 20.5569, 85.6862
YIQ	91.2750, 49.2660, 120.4180

Conversions

Conversions Part 2

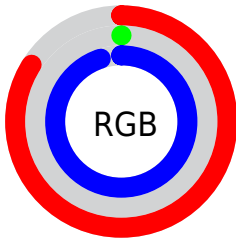
Format	Color
R_{YB}	213, 0, 242
Decimal	13959410
CIE _{Lab}	52.46, 90.17, -66.61
CIE _{LCh}	52, 112.104, 323.544
Yxy	20.5569, 0.2904, 0.1373
Android (android.graphics.Color)	4292149490 (0xFFD500F2)
YUV	91.2750, 74.3074, 106.7528
Hunter-Lab	45.3397, 91.8316, -80.3126

Details

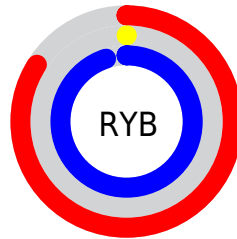
The Yxy color **20.5569, 0.2904, 0.1373** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light saturated magenta. A complement of this color would be **63.7692, 0.3025, 0.5980**, and the grayscale version is **10.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.2751, 0.2775, 0.1302** is the 20% darker color. If you saturate the color by 10%, you get **20.5654, 0.2904, 0.1373**, and if you desaturate by 10%, it is **21.6639, 0.2935, 0.1424**.

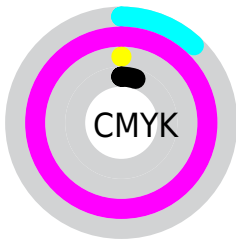
Distribution



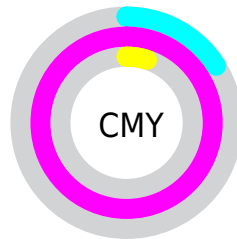
- Red (84%)
- Green (0%)
- Blue (95%)



- Red (84%)
- Yellow (0%)
- Blue (95%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (16%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5569, 0.2904, 0.1373 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 20.5569, 0.2904, 0.1373 by changing the saturation by 10% instead.


 20.5569, 0.2904,
0.1373


 20.5569, 0.2904,
0.1373


254.9142, 0.3082,
0.2235

 12.8005, 0.2843,
0.1195


 44.3489, 0.2982,
0.1659

 7.2913, 0.2759,
0.0989


 61.1533, 0.3007,
0.1775

 3.6449, 0.2636,
0.0754


 81.7425, 0.3027,
0.1876

 1.4770, 0.2454,
0.0494

 106.5009, 0.3043,
0.1966

 0.2725, 0.2191,
0.0161

 135.8129, 0.3056,
0.2045

 0.0000, 0.1749,
0.0000

 170.0628, 0.3066,

 0.0000, 0.0908,

0.2115

0.0000

209.6351, 0.3075,
0.2178

■ 0.0000, 0.0000,
0.0000

■ 20.5569, 0.2904,
0.1373

■ 20.5569, 0.2904,
0.1373

■ 20.5654, 0.2904,
0.1373

■ 21.6639, 0.2935,
0.1424

■ 23.5940, 0.2966,
0.1513

■ 26.6127, 0.2996,
0.1646

■ 30.8732, 0.3024,
0.1823

■ 36.5042, 0.3050,
0.2035

■ 43.6181, 0.3072,
0.2273

■ 52.3159, 0.3091,
0.2527

■ 62.6896, 0.3106,
0.2786

■ 74.8241, 0.3118,
0.3043

Harmonies

Analogous

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



20.5569, 0.1516, 0.1044



20.5569, 0.2904, 0.1373



20.5569, 0.5008, 0.2016

Triad

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



20.5569, 0.2904, 0.1373



20.5569, 0.5187, 0.4813



20.5569, 0.0638, 0.2427

Complementary

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



20.5569, 0.2904, 0.1373



63.7692, 0.3025, 0.5980

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.



20.5569, 0.1143, 0.4987



20.5569, 0.2904, 0.1373



20.5569, 0.3671, 0.6329

Square

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



20.5569, 0.2904, 0.1373



20.5569, 0.6362, 0.3635



20.5569, 0.2260, 0.7101



20.5569, 0.0595, 0.1348

Rectangle

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



20.5569, 0.2904, 0.1373



20.5569, 0.6175, 0.2530



20.5569, 0.2260, 0.7101



20.5569, 0.0739, 0.3098

Sweetspot

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



20.5654, 0.2904, 0.1373



58.8254, 0.3091, 0.2525



7.4588, 0.1524, 0.0687



11.6580, 0.3083, 0.2416



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.



20.5654, 0.2904, 0.1373



23.1459, 0.2903, 0.1373



21.1874, 0.4430, 0.2214



15.9298, 0.3119, 0.3056



11.0870, 0.2909, 0.1376



0.9492, 0.2951, 0.1399

Inverse Universe

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



18.9670, 0.6278, 0.3232



21.3564, 0.6282, 0.3234



64.2255, 0.2848, 0.5452



15.7896, 0.3274, 0.3262



10.1988, 0.6252, 0.3218



0.8583, 0.5972, 0.3064

Previews

White Background



This preview shows how the Yxy color 20.5569, 0.2904, 0.1373 looks on a white background.

Color Contrast Check

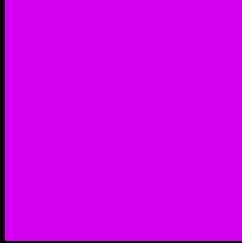
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5569, 0.2904, 0.1373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

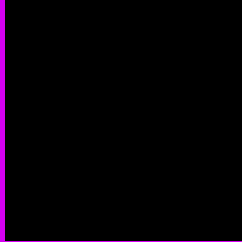
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5569, 0.2904, 0.1373

Background



This preview shows how black text looks on a background with the Yxy color 20.5569, 0.2904, 0.1373.



This preview shows how white text looks on a background with the Yxy color 20.5569, 0.2904, 0.1373.

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

20.5569, 0.2904, 0.1373

Protanopia

21.3587, 0.1764, 0.1481

Deuteranopia

21.4305, 0.1843, 0.1787



Tritanopia

20.7458, 0.4476, 0.3202

Trichromacy



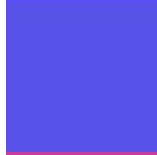
Original Color

20.5569, 0.2904, 0.1373



Protanomaly

14.7306, 0.1873, 0.1122



Deuteranomaly

14.0416, 0.1907, 0.1226



Tritanomaly

18.0882, 0.3880, 0.2212

Monochromacy



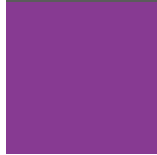
Original Color

20.5569, 0.2904, 0.1373



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.2523, 0.3022, 0.1856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5569, 0.2904, 0.1373 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, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 242)  
}
```

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, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 242) }
```

Border

The CSS property to change the border of an element to Yxy 20.5569, 0.2904, 0.1373 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, 0, 242) }
```

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

```
.border{ border-color:rgb(213, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(213, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5569, 0.2904, 0.1373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 242) }
```

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

```
.background{ background-color: rgb(213, 0,  
242) }
```

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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