

Converting Colors

$Y_{xy}(20.7732, 0.2847, 0.1342)$

Have a look what the booklet for
Yxy(20.7732, 0.2847, 0.1342)
contains.

Yxy(20.7124, 0.2847, 0.1342)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.7124, 0.2847, 0.1342)

Conversions

Conversions Part 1

Format	Color
Hex	D400F7
RGB	212, 0, 247
RGB Percent	83%, 0%, 97%
CMY	0.1686, 1.0000, 0.0313
CMYK	0.14, 1.00, 0.00, 0.03
HSL	291°, 100%, 48%
HSV	291°, 100%, 97%
XYZ	43.9405, 20.7124, 89.6869
YIQ	91.5460, 47.0650, 121.7610

Conversions

Conversions Part 2

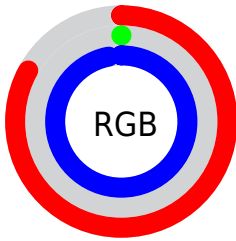
Format	Color
R_{YB}	212, 0, 247
Decimal	13893879
CIE _{Lab}	52.63, 90.78, -69.15
CIE _{LCh}	53, 114.116, 322.705
Yxy	20.7124, 0.2847, 0.1342
Android (android.graphics.Color)	4292083959 (0xFFD400F7)
YUV	91.5460, 76.6388, 105.6382
Hunter-Lab	45.5109, 92.6969, -84.9833

Details

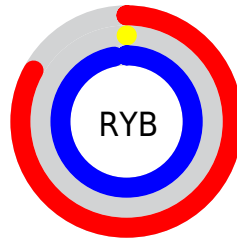
The Yxy color **20.7124, 0.2847, 0.1342** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **66.8865, 0.3033, 0.5974**, and the grayscale version is **10.4085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.2534, 0.2704, 0.1263** is the 20% darker color. If you saturate the color by 10%, you get **20.7128, 0.2847, 0.1342**, and if you desaturate by 10%, it is **21.9221, 0.2884, 0.1396**.

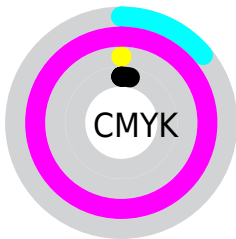
Distribution



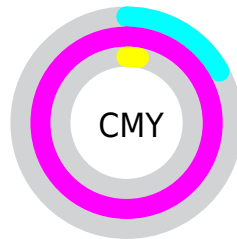
- Red (83%)
- Green (0%)
- Blue (97%)



- Red (83%)
- Yellow (0%)
- Blue (97%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (17%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7124, 0.2847, 0.1342 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 20.7124, 0.2847, 0.1342 by changing the saturation by 10% instead.


 20.7124, 0.2847,
0.1342

 20.7124, 0.2847,
0.1342


255.7461, 0.3055,
0.2211


 12.9139, 0.2780,
0.1165


 44.6084, 0.2935,
0.1629


 7.3693, 0.2687,
0.0960


 61.4747, 0.2965,
0.1746

 3.6941, 0.2555,
0.0729


 82.1325, 0.2988,
0.1848

 1.5040, 0.2362,
0.0475

 106.9660, 0.3007,
0.1938

 0.2915, 0.2088,
0.0160

 136.3597, 0.3023,
0.2018

 0.0000, 0.1649,
0.0000

 170.6981, 0.3035,

 0.0000, 0.0875,

0.2089

0.0000

210.3654, 0.3046,
0.2153

■ 0.0000, 0.0000,
0.0000

■ 20.7124, 0.2847,
0.1342

■ 20.7124, 0.2847,
0.1342

■ 20.7128, 0.2847,
0.1342

■ 21.9221, 0.2884,
0.1396

■ 24.0078, 0.2922,
0.1489

■ 27.2382, 0.2958,
0.1627

■ 31.7745, 0.2993,
0.1808

■ 37.7521, 0.3025,
0.2024

■ 45.2894, 0.3053,
0.2266

■ 54.4925, 0.3078,
0.2523

■ 65.4581, 0.3098,
0.2784

■ 78.2756, 0.3114,
0.3042

Harmonies

Analogous

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



20.7124, 0.1473, 0.1022



20.7124, 0.2847, 0.1342



20.7124, 0.4973, 0.1979

Triad

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



20.7124, 0.2847, 0.1342



20.7124, 0.5232, 0.4768



20.7124, 0.0625, 0.2459

Complementary

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



20.7124, 0.2847, 0.1342



66.8865, 0.3033, 0.5974

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.



20.7124, 0.1141, 0.5103



20.7124, 0.2847, 0.1342



20.7124, 0.3695, 0.6305

Square

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



20.7124, 0.2847, 0.1342



20.7124, 0.6409, 0.3591



20.7124, 0.2269, 0.7170



20.7124, 0.0575, 0.1345

Rectangle

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



20.7124, 0.2847, 0.1342



20.7124, 0.6179, 0.2493



20.7124, 0.2269, 0.7170



20.7124, 0.0728, 0.3155

Sweetspot

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



20.7133, 0.2847, 0.1342



58.5211, 0.3078, 0.2521



8.0431, 0.1529, 0.0705



11.5843, 0.3068, 0.2412



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.



20.7133, 0.2847, 0.1342



22.2573, 0.2846, 0.1342



22.3343, 0.4364, 0.2178



16.6423, 0.3115, 0.3055



11.0007, 0.2853, 0.1345



0.9988, 0.2900, 0.1371

Inverse Universe

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



19.8980, 0.6241, 0.3212



21.3883, 0.6243, 0.3213



67.2082, 0.2861, 0.5500



16.5208, 0.3271, 0.3257



10.5342, 0.6212, 0.3196



0.9374, 0.5919, 0.3034

Previews

White Background



This preview shows how the Yxy color 20.7124, 0.2847, 0.1342 looks on a white background.

Color Contrast Check

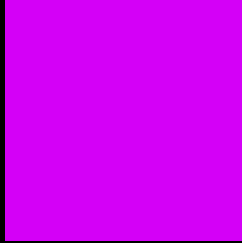
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7124, 0.2847, 0.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

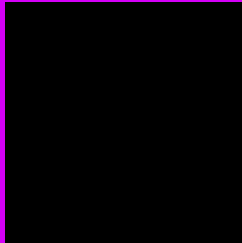
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7124, 0.2847, 0.1342

Background



This preview shows how black text looks on a background with the Yxy color 20.7124, 0.2847, 0.1342.



This preview shows how white text looks on a background with the Yxy color 20.7124, 0.2847, 0.1342.

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

20.7124, 0.2847, 0.1342

Protanopia

21.6328, 0.1770, 0.1495

Deuteranopia

21.3020, 0.1829, 0.1782



Tritanopia

20.8863, 0.4408, 0.3200

Trichromacy



Original Color

20.7124, 0.2847, 0.1342



Protanomaly

14.9099, 0.1873, 0.1116



Deuteranomaly

13.6105, 0.1836, 0.1186



Tritanomaly

18.1249, 0.3802, 0.2185

Monochromacy



Original Color

20.7124, 0.2847, 0.1342



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5003, 0.3009, 0.1852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7124, 0.2847, 0.1342 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(212, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 247)  
}
```

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(212, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 20.7124, 0.2847, 0.1342 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(212, 0, 247) }
```

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

```
.border{ border-color:rgb(212, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7124, 0.2847, 0.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 247) }
```

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

```
.background{ background-color: rgb(212, 0,  
247) }
```

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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