

Converting Colors

$Y_{xy}(21.1936, 0.3125, 0.1495)$

Have a look what the booklet for
Yxy(21.1936, 0.3125, 0.1495)
contains.

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Color

Yxy(21.2428, 0.3121, 0.1493)

Conversions

Conversions Part 1

Format	Color
Hex	DE00E6
RGB	222, 0, 230
RGB Percent	87%, 0%, 90%
CMY	0.1294, 0.9997, 0.0980
CMYK	0.03, 1.00, 0.00, 0.10
HSL	298°, 100%, 45%
HSV	298°, 100%, 90%
XYZ	44.4064, 21.2428, 76.6334
YIQ	92.5980, 58.4820, 118.5940

Conversions

Conversions Part 2

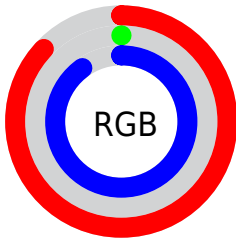
Format	Color
R _Y B	222, 0, 230
Decimal	14549222
CIE Lab	53.21, 89.64, -58.57
CIE LCh	53, 107.077, 326.841
Yxy	21.2428, 0.3121, 0.1493
Android (android.graphics.Color)	4292739302 (0xFFDE00E6)
YUV	92.5980, 67.7392, 113.4856
Hunter-Lab	46.0899, 91.3227, -66.3182

Details

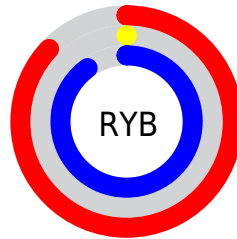
The Yxy color **21.2428, 0.3121, 0.1493** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **56.6544, 0.3006, 0.5995**, and the grayscale version is **10.6880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.6985, 0.3051, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **21.2418, 0.3121, 0.1493**, and if you desaturate by 10%, it is **21.9849, 0.3129, 0.1530**.

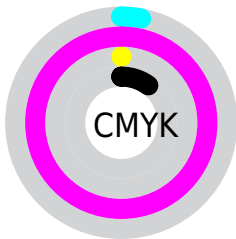
Distribution



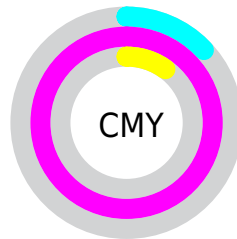
- Red (87%)
- Green (0%)
- Blue (90%)



- Red (87%)
- Yellow (0%)
- Blue (90%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (13%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2428, 0.3121, 0.1493 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 21.2428, 0.3121, 0.1493 by changing the saturation by 10% instead.


 21.2428, 0.3121,
0.1493


 21.2428, 0.3121,
0.1493


258.5660, 0.3181,
0.2316

 13.3016, 0.3090,
0.1318


 45.4913, 0.3155,
0.1770

 7.6366, 0.3042,
0.1112


 62.5673, 0.3164,
0.1881


 3.8633, 0.2966,
0.0871


 83.4571, 0.3171,
0.1977

 1.5974, 0.2841,
0.0596

 108.5451, 0.3175,
0.2062

 0.3558, 0.2644,
0.0241

 138.2155, 0.3178,
0.2137

 0.0000, 0.2266,
0.0000

 172.8529, 0.3179,

 0.0000, 0.1420,

0.2203

0.0000

212.8416, 0.3180,
0.2262

■ 0.0000, 0.0000,
0.0000

■ 21.2428, 0.3121,
0.1493

■ 21.2428, 0.3121,
0.1493

■ 21.2418, 0.3121,
0.1493

■ 21.9849, 0.3129,
0.1530

■ 23.4567, 0.3136,
0.1603

■ 25.8907, 0.3141,
0.1720

■ 29.4216, 0.3144,
0.1879

■ 34.1628, 0.3145,
0.2074

■ 40.2135, 0.3144,
0.2299

■ 47.6624, 0.3141,
0.2541

■ 56.5910, 0.3138,
0.2793

■ 67.0740, 0.3133,
0.3045

Harmonies

Analogous

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



21.2428, 0.1686, 0.1130



21.2428, 0.3121, 0.1493



21.2428, 0.5133, 0.2155

Triad

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



21.2428, 0.3121, 0.1493



21.2428, 0.5020, 0.4980



21.2428, 0.0691, 0.2315

Complementary

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



21.2428, 0.3121, 0.1493



56.6544, 0.3006, 0.5995

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.



21.2428, 0.1148, 0.4574



21.2428, 0.3121, 0.1493



21.2428, 0.3587, 0.6413

Square

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



21.2428, 0.3121, 0.1493



21.2428, 0.6178, 0.3796



21.2428, 0.2215, 0.6807



21.2428, 0.0672, 0.1362

Rectangle

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



21.2428, 0.3121, 0.1493



21.2428, 0.6153, 0.2669



21.2428, 0.2215, 0.6807



21.2428, 0.0780, 0.2901

Sweetspot

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



21.2438, 0.3121, 0.1493



60.0174, 0.3141, 0.2536



5.9671, 0.1507, 0.0624



11.9477, 0.3143, 0.2432



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.



21.2438, 0.3121, 0.1493



26.8313, 0.3120, 0.1493



18.3474, 0.4774, 0.2404



14.5882, 0.3132, 0.3058



12.0359, 0.3122, 0.1494



0.8975, 0.3136, 0.1501

Inverse Universe

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



16.8448, 0.6372, 0.3284



21.2795, 0.6376, 0.3286



57.5927, 0.2777, 0.5196



14.3761, 0.3287, 0.3282



9.5379, 0.6362, 0.3279



0.7077, 0.6256, 0.3220

Previews

White Background



This preview shows how the Yxy color 21.2428, 0.3121, 0.1493 looks on a white background.

Color Contrast Check

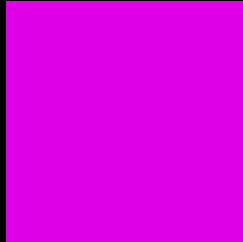
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2428, 0.3121, 0.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

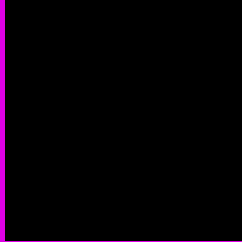
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2428, 0.3121, 0.1493

Background



This preview shows how black text looks on a background with the Yxy color 21.2428, 0.3121, 0.1493.



This preview shows how white text looks on a background with the Yxy color 21.2428, 0.3121, 0.1493.

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

21.2428, 0.3121, 0.1493

Protanopia

22.0666, 0.1792, 0.1515

Deuteranopia

21.8517, 0.2007, 0.1944



Tritanopia

21.4223, 0.4739, 0.3223

Trichromacy



Original Color

21.2428, 0.3121, 0.1493



Protanomaly

15.3100, 0.1960, 0.1182



Deuteranomaly

15.4660, 0.2207, 0.1408



Tritanomaly

18.9676, 0.4145, 0.2331

Monochromacy



Original Color

21.2428, 0.3121, 0.1493



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.6865, 0.3143, 0.1937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2428, 0.3121, 0.1493 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(222, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 230)  
}
```

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(222, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 230) }
```

Border

The CSS property to change the border of an element to Yxy 21.2428, 0.3121, 0.1493 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(222, 0, 230) }
```

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

```
.border{ border-color:rgb(222, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2428, 0.3121, 0.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 230) }
```

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

```
.background{ background-color: rgb(222, 0,  
230) }
```

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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