

Converting Colors

$Y_{xy}(28.0733, 0.3202, 0.1726)$

Have a look what the booklet for
Yxy(28.0733, 0.3202, 0.1726)
contains.

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Color

Yxy(28.1333, 0.3201, 0.1724)

Conversions

Conversions Part 1

Format	Color
Hex	ED43ED
RGB	237, 67, 237
RGB Percent	93%, 26%, 93%
CMY	0.0703, 0.7376, 0.0705
CMYK	0.00, 0.72, 0.00, 0.07
HSL	300°, 83%, 60%
HSV	300°, 72%, 93%
XYZ	52.2359, 28.1333, 82.8170
YIQ	137.2100, 46.7500, 88.9100

Conversions

Conversions Part 2

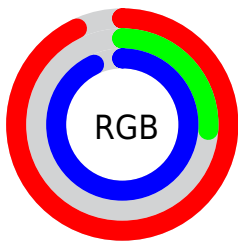
Format	Color
RYB	237, 67, 237
Decimal	15549421
CIELab	60.01, 81.93, -51.51
CIElCh	60, 96.781, 327.840
Yxy	28.1333, 0.3201, 0.1724
Android (android.graphics.Color)	4293739501 (0xFFED43ED)
YUV	137.2100, 49.1965, 87.5158
Hunter-Lab	53.0408, 82.9697, -55.4457

Details

The Yxy color **28.1333, 0.3201, 0.1724** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.1983, 0.3019, 0.5586**, and the grayscale version is **24.8842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **12.6424, 0.3168, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **25.8733, 0.3206, 0.1623**, and if you desaturate by 10%, it is **31.5480, 0.3194, 0.1868**.

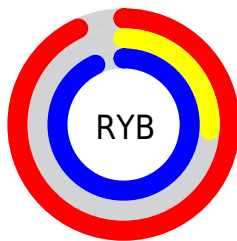
Distribution



Red (93%)

Green (26%)

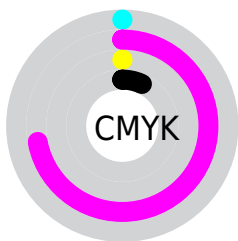
Blue (93%)



Red (93%)

Yellow (26%)

Blue (93%)

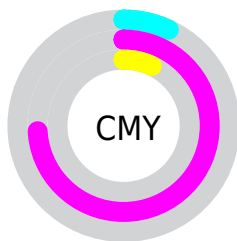


Cyan (0%)

Magenta (72%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (74%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1333, 0.3201, 0.1724 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 28.1333, 0.3201, 0.1724 by changing the saturation by 10% instead.

 28.1333, 0.3201,
0.1724


 28.1333, 0.3201,
0.1724


293.1033, 0.3206,
0.2436


 18.4262, 0.3189,
0.1570


 56.6972, 0.3211,
0.1965


 11.2564, 0.3167,
0.1387


 76.3227, 0.3213,
0.2061


 6.2396, 0.3130,
0.1167


 100.0232, 0.3213,
0.2144

 2.9913, 0.3065,
0.0904

 128.1830, 0.3212,
0.2217

 1.1272, 0.2946,
0.0598

 161.1865, 0.3211,
0.2282

 0.0010, 0.2795,
0.0001

199.4182, 0.3209,


 0.0000, 0.2282,


0.2339


0.0000

243.2623, 0.3207,
0.2390


 0.0000, 0.0000,
0.0000


 28.1333, 0.3201,
0.1724


 28.1333, 0.3201,
0.1724


 25.8733, 0.3206,
0.1623


 31.5480, 0.3194,
0.1868


 24.6131, 0.3209,
0.1565


 36.2390, 0.3186,
0.2051


 24.1301, 0.3210,
0.1542


 42.3170, 0.3175,
0.2265


 49.8794, 0.3164,
0.2501

 59.0151, 0.3153,
0.2749

 69.8058, 0.3141,
0.3000

 82.3276, 0.3129,
0.3247

 95.6532, 0.3119,
0.3469

 95.6535, 0.3119,
0.3469

Harmonies

Analogous

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



28.1333, 0.1914, 0.1366



28.1333, 0.3201, 0.1724



28.1333, 0.4862, 0.2354

Triad

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



28.1333, 0.3201, 0.1724



28.1333, 0.4914, 0.5002



28.1333, 0.0951, 0.2480

Complementary

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



28.1333, 0.3201, 0.1724



62.1983, 0.3019, 0.5586

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.



28.1333, 0.1426, 0.4286



28.1333, 0.3201, 0.1724



28.1333, 0.3680, 0.6045

Square

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



28.1333, 0.3201, 0.1724



28.1333, 0.5821, 0.3952



28.1333, 0.2438, 0.6082



28.1333, 0.0911, 0.1602

Rectangle

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



28.1333, 0.3201, 0.1724



28.1333, 0.5706, 0.2854



28.1333, 0.2438, 0.6082



28.1333, 0.1050, 0.2976

Sweetspot

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



28.1346, 0.3201, 0.1724



69.2801, 0.3153, 0.2741



11.3118, 0.1747, 0.1008



14.1635, 0.3156, 0.2673



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.



28.1346, 0.3201, 0.1724



29.7207, 0.3207, 0.1591



24.2852, 0.4303, 0.2452



15.3137, 0.3138, 0.3058



13.1665, 0.3210, 0.1542



1.0339, 0.3210, 0.1542

Inverse Universe

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



28.1346, 0.3201, 0.1724



29.7207, 0.3207, 0.1591



64.0603, 0.2688, 0.4499



15.3137, 0.3138, 0.3058



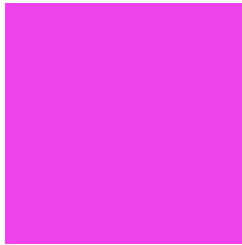
13.1665, 0.3210, 0.1542



1.0339, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.1333, 0.3201, 0.1724 looks on a white background.

Color Contrast Check

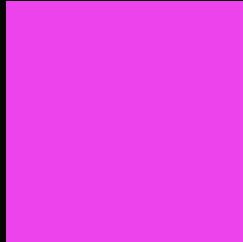
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1333, 0.3201, 0.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

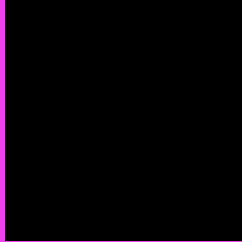
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1333, 0.3201, 0.1724

Background



This preview shows how black text looks on a background with the Yxy color 28.1333, 0.3201, 0.1724.



This preview shows how white text looks on a background with the Yxy color 28.1333, 0.3201, 0.1724.

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

28.1333, 0.3201, 0.1724

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.5706, 0.2202, 0.2147



Tritanopia

27.8862, 0.4500, 0.3213

Trichromacy



Original Color

28.1333, 0.3201, 0.1724



Protanomaly

24.7412, 0.2283, 0.1639



Deuteranomaly

25.0551, 0.2465, 0.1846



Tritanomaly

27.0375, 0.4009, 0.2560

Monochromacy



Original Color

28.1333, 0.3201, 0.1724



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.4897, 0.3167, 0.2434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1333, 0.3201, 0.1724 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(237, 67, 237)` looks like.

```
.text, #text, p{  
    color:rgb(237, 67, 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(237, 67, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 67, 237) }
```

Border

The CSS property to change the border of an element to Yxy 28.1333, 0.3201, 0.1724 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(237, 67, 237) }
```

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

```
.border{ border-color:rgb(237, 67, 237) }
```

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

Here you see how a box with a 4 pixel rgb(237, 67, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 67, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 67, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 67,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1333, 0.3201, 0.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 67, 237) }
```

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

```
.background{ background-color: rgb(237, 67,  
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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