

Converting Colors

$Y_{xy}(28.1222, 0.3458, 0.1730)$

Have a look what the booklet for
Yxy(28.1222, 0.3458, 0.1730)
contains.

Yxy(28.1172, 0.3461, 0.1731)	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(28.1172, 0.3461, 0.1731)

Conversions

Conversions Part 1

Format	Color
Hex	FF21E7
RGB	255, 33, 231
RGB Percent	100%, 13%, 91%
CMY	0.0000, 0.8710, 0.0939
CMYK	0.00, 0.87, 0.09, 0.00
HSL	306°, 100%, 56%
HSV	306°, 87%, 100%
XYZ	56.2182, 28.1172, 78.0979
YIQ	121.9500, 68.7540, 108.6420

Conversions

Conversions Part 2

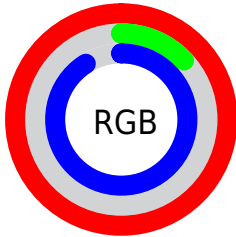
Format	Color
R _Y B	255, 33, 231
Decimal	16720359
CIE _{Lab}	59.99, 92.15, -48.00
CIE _{LCh}	60, 103.902, 332.483
Y _{xy}	28.1172, 0.3461, 0.1731
Android (android.graphics.Color)	4294910439 (0xFFFF21E7)
YUV	121.9500, 53.7617, 116.6849
Hunter-Lab	53.0257, 96.4520, -50.2063

Details

The Yxy color **28.1172, 0.3461, 0.1731** 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 **72.1358, 0.2968, 0.5767**, and the grayscale version is **19.2322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2903, 0.3189, 0.1971**, and **14.4326, 0.3459, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **27.0385, 0.3497, 0.1708**, and if you desaturate by 10%, it is **30.2559, 0.3421, 0.1797**.

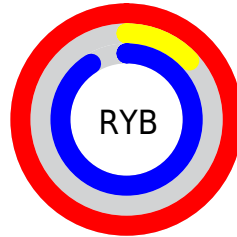
Distribution



Red (100%)

Green (13%)

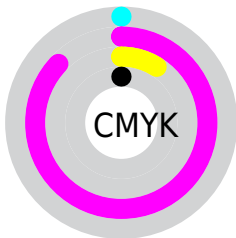
Blue (91%)



Red (100%)

Yellow (13%)

Blue (91%)

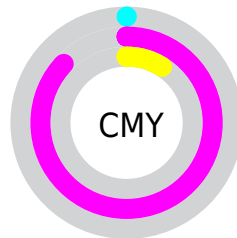


Cyan (0%)

Magenta (87%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1172, 0.3461, 0.1731 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 28.1172, 0.3461, 0.1731 by changing the saturation by 10% instead.


 28.1172, 0.3461,
0.1731


 28.1172, 0.3461,
0.1731


293.0265, 0.3334,
0.2439

 18.4140, 0.3481,
0.1578


 56.6715, 0.3423,
0.1970


 11.2476, 0.3501,
0.1396


 76.2914, 0.3407,
0.2066


 6.2337, 0.3518,
0.1178


 99.9857, 0.3392,
0.2148

 2.9877, 0.3524,
0.0916

 128.1388, 0.3378,
0.2221

 1.1253, 0.3502,
0.0609

 161.1350, 0.3365,
0.2285

 0.0000, 0.3510,
0.0000

199.3587, 0.3354,

 0.0000, 0.3161,

0.2342

0.0000

243.1945, 0.3343,
0.2393

■ 0.0000, 0.1326,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.1172, 0.3461,
0.1731

■ 28.1172, 0.3461,
0.1731

■ 27.0385, 0.3497,
0.1708

■ 30.2559, 0.3421,
0.1797

■ 26.8334, 0.3507,
0.1706

■ 33.6739, 0.3379,
0.1909

■ 38.5335, 0.3336,
0.2061

■ 44.9752, 0.3294,
0.2247

■ 53.1226, 0.3253,
0.2457

■ 63.0873, 0.3214,
0.2680

■ 74.9712, 0.3179,
0.2909

■ 88.8687, 0.3147,
0.3134

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.1172, 0.2009, 0.1318



28.1172, 0.3461, 0.1731



28.1172, 0.5229, 0.2409

Triad

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



28.1172, 0.3461, 0.1731



28.1172, 0.4769, 0.5231



28.1172, 0.0824, 0.2208

Complementary

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



28.1172, 0.3461, 0.1731



72.1358, 0.2968, 0.5767

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.



28.1172, 0.1208, 0.3987



28.1172, 0.3461, 0.1731



28.1172, 0.3430, 0.6320

Square

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



28.1172, 0.3461, 0.1731



28.1172, 0.5822, 0.4064



28.1172, 0.2165, 0.6136



28.1172, 0.0848, 0.1434

Rectangle

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



28.1172, 0.3461, 0.1731



28.1172, 0.6003, 0.2921



28.1172, 0.2165, 0.6136



28.1172, 0.0896, 0.2670

Sweetspot

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



28.1145, 0.3461, 0.1731



64.2942, 0.3210, 0.2705



9.1180, 0.1619, 0.0732



12.9619, 0.3223, 0.2627



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.



28.1145, 0.3461, 0.1731



26.8334, 0.3507, 0.1706



23.7413, 0.5056, 0.2651



18.2646, 0.3155, 0.3081



14.0347, 0.3502, 0.1703



1.3758, 0.3464, 0.1682

Inverse Universe

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



28.1145, 0.3461, 0.1731



26.8334, 0.3507, 0.1706



74.6009, 0.2605, 0.4490



18.2646, 0.3155, 0.3081



14.0347, 0.3502, 0.1703



1.3758, 0.3464, 0.1682

Previews

White Background



This preview shows how the Yxy color 28.1172, 0.3461, 0.1731 looks on a white background.

Color Contrast Check

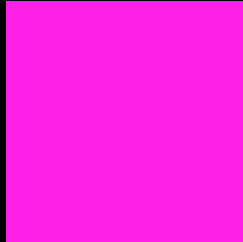
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1172, 0.3461, 0.1731 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 28.1172, 0.3461, 0.1731

Background



This preview shows how black text looks on a background with the Yxy color 28.1172, 0.3461, 0.1731.



This preview shows how white text looks on a background with the Yxy color 28.1172, 0.3461, 0.1731.

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

28.1172, 0.3461, 0.1731

Protanopia

28.4434, 0.2004, 0.1793

Deuteranopia

28.3358, 0.2288, 0.2232



Tritanopia

27.8028, 0.4998, 0.3237

Trichromacy



Original Color

28.1172, 0.3461, 0.1731



Protanomaly

22.6406, 0.2320, 0.1547



Deuteranomaly

22.9611, 0.2597, 0.1794



Tritanomaly

26.5470, 0.4456, 0.2570

Monochromacy



Original Color

28.1172, 0.3461, 0.1731



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4670, 0.3280, 0.2264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1172, 0.3461, 0.1731 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(255, 33, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 231)  
}
```

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(255, 33, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 231) }
```

Border

The CSS property to change the border of an element to Yxy 28.1172, 0.3461, 0.1731 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(255, 33, 231) }
```

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

```
.border{ border-color:rgb(255, 33, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1172, 0.3461, 0.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 231) }
```

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

```
.background{ background-color: rgb(255, 33,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor