

Converting Colors

$Y_{xy}(28.7532, 0.3592, 0.1870)$

Have a look what the booklet for
Yxy(28.7532, 0.3592, 0.1870)
contains.

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Color

Yxy(28.7421, 0.3594, 0.1871)

Conversions

Conversions Part 1

Format	Color
Hex	FF33DB
RGB	255, 51, 219
RGB Percent	100%, 20%, 86%
CMY	0.0000, 0.8000, 0.1411
CMYK	0.00, 0.80, 0.14, 0.00
HSL	311°, 100%, 60%
HSV	311°, 80%, 100%
XYZ	55.2106, 28.7421, 69.6662
YIQ	131.1480, 67.6560, 95.4960

Conversions

Conversions Part 2

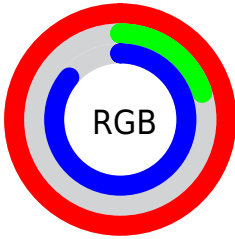
Format	Color
R _{YB}	255, 51, 219
Decimal	16724955
CIE _{Lab}	60.55, 87.22, -40.35
CIE _{LCh}	61, 96.098, 335.172
Y _{xy}	28.7421, 0.3594, 0.1871
Android (android.graphics.Color)	4294915035 (0xFFFF33DB)
YUV	131.1480, 43.3110, 108.6182
Hunter-Lab	53.6117, 90.0034, -39.5168

Details

The Yxy color **28.7421, 0.3594, 0.1871** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.9105, 0.2925, 0.5490**, and the grayscale version is **22.5797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **14.1137, 0.3661, 0.1790** is the 20% darker color. If you saturate the color by 10%, you get **26.8584, 0.3661, 0.1827**, and if you desaturate by 10%, it is **31.8547, 0.3525, 0.1961**.

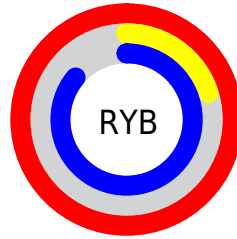
Distribution



Red (100%)

Green (20%)

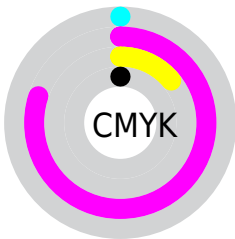
Blue (86%)



Red (100%)

Yellow (20%)

Blue (86%)

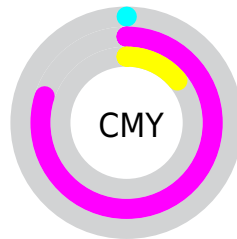


Cyan (0%)

Magenta (80%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7421, 0.3594, 0.1871 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 28.7421, 0.3594, 0.1871 by changing the saturation by 10% instead.

 28.7421, 0.3594,
0.1871


 28.7421, 0.3594,
0.1871


295.9962, 0.3389,
0.2528

 18.8858, 0.3636,
0.1725


 57.6671, 0.3526,
0.2096


 11.5878, 0.3685,
0.1549


 77.5046, 0.3499,
0.2185


 6.4637, 0.3741,
0.1333


 101.4379, 0.3475,
0.2262

 3.1290, 0.3804,
0.1067

 129.8515, 0.3453,
0.2328

 1.1995, 0.3866,
0.0743

 163.1297, 0.3435,
0.2387

 0.0613, 0.4019,
0.0081

201.6570, 0.3418,

 0.0000, 0.3843,

0.2439

0.0000

245.8176, 0.3403,
0.2486

■ 0.0000, 0.1480,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.7421, 0.3594,
0.1871

■ 28.7421, 0.3594,
0.1871

■ 26.8584, 0.3661,
0.1827

■ 31.8547, 0.3525,
0.1961

■ 25.9139, 0.3724,
0.1825

■ 36.3667, 0.3455,
0.2095


■ 25.9135, 0.3724,
0.1825

■ 42.4259, 0.3388,
0.2262

■ 50.1606, 0.3324,
0.2455

 59.6852, 0.3266,
0.2662

 71.1044, 0.3213,
0.2875

 84.5147, 0.3167,
0.3086

99.9995, 0.3127,
0.3290

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



28.7421, 0.2183, 0.1442



28.7421, 0.3594, 0.1871



28.7421, 0.5194, 0.2545

Triad

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



28.7421, 0.3594, 0.1871



28.7421, 0.4622, 0.5267



28.7421, 0.0927, 0.2205

Complementary

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



28.7421, 0.3594, 0.1871



72.9105, 0.2925, 0.5490

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.



28.7421, 0.1280, 0.3763



28.7421, 0.3594, 0.1871



28.7421, 0.3382, 0.6172

Square

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



28.7421, 0.3594, 0.1871



28.7421, 0.5631, 0.4191



28.7421, 0.2171, 0.5738



28.7421, 0.0969, 0.1508

Rectangle

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



28.7421, 0.3594, 0.1871



28.7421, 0.5854, 0.3053



28.7421, 0.2171, 0.5738



28.7421, 0.0992, 0.2614

Sweetspot

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



28.7435, 0.3594, 0.1871



66.2987, 0.3234, 0.2790



11.5203, 0.1766, 0.0885



13.3317, 0.3253, 0.2714



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.



28.7435, 0.3594, 0.1871



26.2257, 0.3699, 0.1823



24.9603, 0.5051, 0.2756



18.2421, 0.3165, 0.3096



13.5607, 0.3714, 0.1820



1.3341, 0.3646, 0.1782

Inverse Universe

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



28.7435, 0.3594, 0.1871



26.2257, 0.3699, 0.1823



75.8104, 0.2545, 0.4186



18.2421, 0.3165, 0.3096



13.5607, 0.3714, 0.1820



1.3341, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 28.7421, 0.3594, 0.1871 looks on a white background.

Color Contrast Check

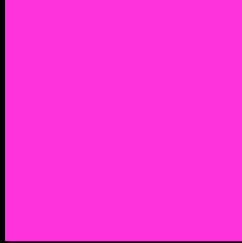
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7421, 0.3594, 0.1871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

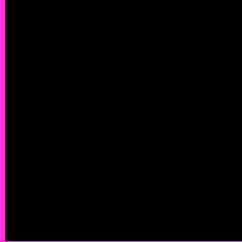
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7421, 0.3594, 0.1871

Background



This preview shows how black text looks on a background with the Yxy color 28.7421, 0.3594, 0.1871.



This preview shows how white text looks on a background with the Yxy color 28.7421, 0.3594, 0.1871.

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

28.7421, 0.3594, 0.1871

Protanopia

29.2446, 0.2027, 0.1825

Deuteranopia

29.0409, 0.2438, 0.2384



Tritanopia

28.5581, 0.4975, 0.3237

Trichromacy



Original Color

28.7421, 0.3594, 0.1871



Protanomaly

24.3350, 0.2380, 0.1667



Deuteranomaly

24.8427, 0.2781, 0.2005



Tritanomaly

27.7381, 0.4485, 0.2664

Monochromacy



Original Color

28.7421, 0.3594, 0.1871



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.3772, 0.3330, 0.2433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7421, 0.3594, 0.1871 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, 51, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 219)  
}
```

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, 51, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 219) }
```

Border

The CSS property to change the border of an element to Yxy 28.7421, 0.3594, 0.1871 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, 51, 219) }
```

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

```
.border{ border-color:rgb(255, 51, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7421, 0.3594, 0.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 219) }
```

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

```
.background{ background-color: rgb(255, 51,  
219) }
```

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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