

Converting Colors

Yxy(33.8214, 0.3200, 0.1747)

Have a look what the booklet for
Yxy(33.8214, 0.3200, 0.1747)
contains.

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Color

Yxy(33.7878, 0.3200, 0.1745)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DFF
RGB	255, 77, 255
RGB Percent	100%, 30%, 100%
CMY	0.0000, 0.6983, 0.0000
CMYK	0.00, 0.70, 0.00, 0.00
HSL	300°, 100%, 65%
HSV	300°, 70%, 100%
XYZ	61.9604, 33.7878, 97.8781
YIQ	150.5140, 48.9500, 93.0940

Conversions

Conversions Part 2

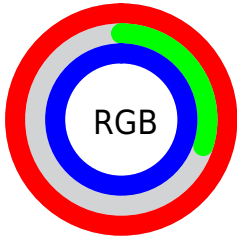
Format	Color
R _Y B	255, 77, 255
Decimal	16731647
CIE Lab	64.79, 85.29, -53.72
CIE LCh	65, 100.799, 327.795
Yxy	33.7878, 0.3200, 0.1745
Android (android.graphics.Color)	4294921727 (0xFFFF4DFF)
YUV	150.5140, 51.5116, 91.6342
Hunter-Lab	58.1273, 88.5483, -59.1469

Details

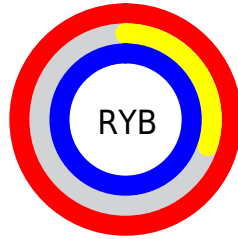
The Yxy color **33.7878, 0.3200, 0.1745** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.6297, 0.3022, 0.5541**, and the grayscale version is **30.4713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **15.5466, 0.3159, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **30.8854, 0.3205, 0.1636**, and if you desaturate by 10%, it is **38.0674, 0.3193, 0.1896**.

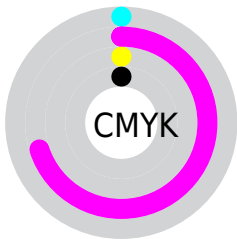
Distribution



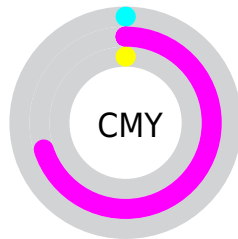
- Red (100%)
- Green (30%)
- Blue (100%)



- Red (100%)
- Yellow (30%)
- Blue (100%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7878, 0.3200, 0.1745 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 33.7878, 0.3200, 0.1745 by changing the saturation by 10% instead.

 33.7878, 0.3200,
0.1745


 33.7878, 0.3200,
0.1745


319.1848, 0.3205,
0.2427

 22.7306, 0.3189,
0.1602


 65.6035, 0.3210,
0.1972

 14.3947, 0.3171,
0.1432


 87.1309, 0.3211,
0.2064

 8.3957, 0.3139,
0.1231


 112.9171, 0.3211,
0.2143

 4.3492, 0.3086,
0.0991

 143.3466, 0.3211,
0.2214

 1.8707, 0.2992,
0.0710

178.8037, 0.3210,
0.2276

 0.5307, 0.2830,
0.0369

219.6728, 0.3208,

 0.0000, 0.2527,

0.2332

0.0000

266.3384, 0.3207,
0.2382

■ 0.0000, 0.1748,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7878, 0.3200,
0.1745

■ 33.7878, 0.3200,
0.1745

■ 30.8854, 0.3205,
0.1636

■ 38.0674, 0.3193,
0.1896

■ 29.2157, 0.3208,
0.1571


■ 43.9000, 0.3184,
0.2086

■ 28.4893, 0.3209,
0.1542

■ 51.4034, 0.3173,
0.2306

■ 28.4800, 0.3209,
0.1542

■ 60.6921, 0.3162,
0.2545

 71.8703, 0.3150,
0.2796

 85.0346, 0.3139,
0.3048

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.



33.7878, 0.1932, 0.1390



33.7878, 0.3200, 0.1745



33.7878, 0.4827, 0.2370

Triad

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



33.7878, 0.3200, 0.1745



33.7878, 0.4900, 0.4987



33.7878, 0.0979, 0.2502

Complementary

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



33.7878, 0.3200, 0.1745



73.6297, 0.3022, 0.5541

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.



33.7878, 0.1457, 0.4270



33.7878, 0.3200, 0.1745



33.7878, 0.3693, 0.6003

Square

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



33.7878, 0.3200, 0.1745



33.7878, 0.5789, 0.3960



33.7878, 0.2463, 0.6018



33.7878, 0.0937, 0.1629

Rectangle

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



33.7878, 0.3200, 0.1745



33.7878, 0.5657, 0.2868



33.7878, 0.2463, 0.6018



33.7878, 0.1080, 0.2990

Sweetspot

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



33.7779, 0.3200, 0.1745



70.4634, 0.3152, 0.2766



14.0928, 0.1774, 0.1052



14.3934, 0.3155, 0.2697



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.



33.7779, 0.3200, 0.1745



30.0521, 0.3206, 0.1604



29.3098, 0.4262, 0.2461



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



33.7779, 0.3200, 0.1745



30.0521, 0.3206, 0.1604



75.8467, 0.2691, 0.4466



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.7878, 0.3200, 0.1745 looks on a white background.

Color Contrast Check

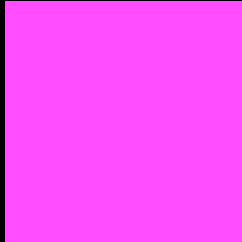
Large Text (above 18pt) WCAG AA × Fail

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 33.7878, 0.3200, 0.1745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

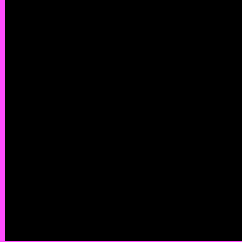
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7878, 0.3200, 0.1745

Background



This preview shows how black text looks on a background with the Yxy color 33.7878, 0.3200, 0.1745.



This preview shows how white text looks on a background with the Yxy color 33.7878, 0.3200, 0.1745.

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

33.7878, 0.3200, 0.1745

Protanopia

33.9760, 0.2159, 0.2000

Deuteranopia

34.1022, 0.2219, 0.2160



Tritanopia

33.4529, 0.4470, 0.3197

Trichromacy



Original Color

33.7878, 0.3200, 0.1745



Protanomaly

30.2487, 0.2429, 0.1782



Deuteranomaly

30.1531, 0.2472, 0.1863

Tritanomaly

32.5495, 0.3990, 0.2567

Monochromacy



Original Color

33.7878, 0.3200, 0.1745



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.4881, 0.3167, 0.2445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7878, 0.3200, 0.1745 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, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 255)  
}
```

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, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7878, 0.3200, 0.1745 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, 77, 255) }
```

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

```
.border{ border-color:rgb(255, 77, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7878, 0.3200, 0.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 255) }
```

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

```
.background{ background-color: rgb(255, 77,  
255) }
```

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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