

Converting Colors

Yxy(31.7243, 0.3263, 0.1722)

Have a look what the booklet for
Yxy(31.7243, 0.3263, 0.1722)
contains.

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Color

Yxy(31.7663, 0.3261, 0.1722)

Conversions

Conversions Part 1

Format	Color
Hex	FF40F9
RGB	255, 64, 249
RGB Percent	100%, 25%, 98%
CMY	0.0001, 0.7486, 0.0237
CMYK	0.00, 0.75, 0.02, 0.00
HSL	302°, 100%, 63%
HSV	302°, 75%, 100%
XYZ	60.1567, 31.7663, 92.5502
YIQ	142.1990, 54.4510, 98.0270

Conversions

Conversions Part 2

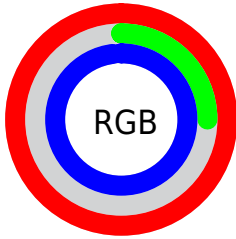
Format	Color
R _Y B	255, 64, 249
Decimal	16728313
CIE Lab	63.15, 88.13, -52.99
CIE LCh	63, 102.834, 328.983
Yxy	31.7663, 0.3261, 0.1722
Android (android.graphics.Color)	4294918393 (0xFFFF40F9)
YUV	142.1990, 52.6529, 98.9265
Hunter-Lab	56.3616, 91.8866, -57.9058

Details

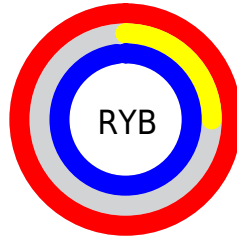
The Yxy color **31.7663, 0.3261, 0.1722** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.0332, 0.3001, 0.5624**, and the grayscale version is **26.9216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **15.2751, 0.3235, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **29.4651, 0.3275, 0.1638**, and if you desaturate by 10%, it is **35.3841, 0.3245, 0.1850**.

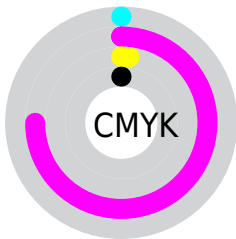
Distribution



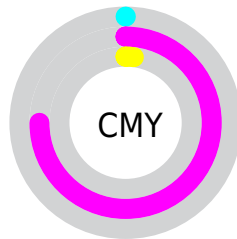
- Red (100%)
- Green (25%)
- Blue (98%)



- Red (100%)
- Yellow (25%)
- Blue (98%)



- Cyan (0%)
- Magenta (75%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (75%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7663, 0.3261, 0.1722 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 31.7663, 0.3261, 0.1722 by changing the saturation by 10% instead.


 31.7663, 0.3261,
0.1722


 31.7663, 0.3261,
0.1722


310.0533, 0.3237,
0.2418


 21.1831, 0.3256,
0.1575

 62.4445, 0.3261,
0.1955

 13.2579, 0.3245,
0.1401


 83.3083, 0.3258,
0.2048

 7.6064, 0.3223,
0.1194


 108.3678, 0.3255,
0.2129

 3.8441, 0.3179,
0.0948

 138.0072, 0.3251,
0.2201

 1.5868, 0.3096,
0.0661

172.6111, 0.3248,
0.2265

 0.3486, 0.2956,
0.0273

212.5638, 0.3244,

 0.0000, 0.2629,

0.2322

0.0000

258.2498, 0.3240,
0.2372

■ 0.0000, 0.1689,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.7663, 0.3261,
0.1722

■ 31.7663, 0.3261,
0.1722

■ 29.4651, 0.3275,
0.1638

■ 35.3841, 0.3245,
0.1850

■ 28.2809, 0.3286,
0.1596

■ 40.4724, 0.3228,
0.2019

■ 27.9650, 0.3291,
0.1587

■ 47.1689, 0.3209,
0.2221

■ 55.5942, 0.3190,
0.2447

 65.8573, 0.3171,
0.2687

 78.0583, 0.3152,
0.2932

 92.2902, 0.3135,
0.3175

99.9930, 0.3127,
0.3290

Harmonies

Analogous

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



31.7663, 0.1932, 0.1351



31.7663, 0.3261, 0.1722



31.7663, 0.4955, 0.2365

Triad

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



31.7663, 0.3261, 0.1722



31.7663, 0.4880, 0.5053



31.7663, 0.0914, 0.2410

Complementary

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



31.7663, 0.3261, 0.1722



73.0332, 0.3001, 0.5624

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.



31.7663, 0.1368, 0.4220



31.7663, 0.3261, 0.1722



31.7663, 0.3620, 0.6116

Square

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



31.7663, 0.3261, 0.1722



31.7663, 0.5830, 0.3978



31.7663, 0.2369, 0.6109



31.7663, 0.0891, 0.1556

Rectangle

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



31.7663, 0.3261, 0.1722



31.7663, 0.5787, 0.2869



31.7663, 0.2369, 0.6109



31.7663, 0.1007, 0.2899

Sweetspot

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



31.7678, 0.3261, 0.1722



69.1677, 0.3165, 0.2757



12.0985, 0.1708, 0.0930



14.1365, 0.3170, 0.2691



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.



31.7678, 0.3261, 0.1722



28.7406, 0.3281, 0.1612



27.3429, 0.4434, 0.2469



18.2899, 0.3143, 0.3063



14.6215, 0.3289, 0.1586



1.4266, 0.3280, 0.1580

Inverse Universe

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



31.7678, 0.3261, 0.1722



28.7406, 0.3281, 0.1612



75.2238, 0.2672, 0.4521



18.2899, 0.3143, 0.3063



14.6215, 0.3289, 0.1586



1.4266, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 31.7663, 0.3261, 0.1722 looks on a white background.

Color Contrast Check

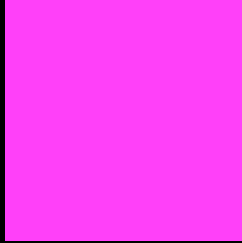
Large Text (above 18pt) WCAG AA × Fail

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 31.7663, 0.3261, 0.1722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

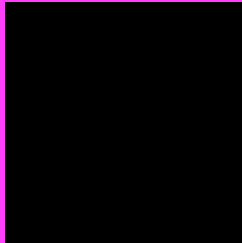
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7663, 0.3261, 0.1722

Background



This preview shows how black text looks on a background with the Yxy color 31.7663, 0.3261, 0.1722.



This preview shows how white text looks on a background with the Yxy color 31.7663, 0.3261, 0.1722.

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

31.7663, 0.3261, 0.1722

Protanopia

32.1585, 0.2108, 0.1936

Deuteranopia

32.2181, 0.2219, 0.2160



Tritanopia

31.4016, 0.4630, 0.3210

Trichromacy



Original Color

31.7663, 0.3261, 0.1722



Protanomaly

27.8626, 0.2392, 0.1708



Deuteranomaly

27.8121, 0.2484, 0.1827



Tritanomaly

30.3514, 0.4122, 0.2559

Monochromacy



Original Color

31.7663, 0.3261, 0.1722



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.4381, 0.3192, 0.2396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7663, 0.3261, 0.1722 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, 64, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 249)  
}
```

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, 64, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 249) }
```

Border

The CSS property to change the border of an element to Yxy 31.7663, 0.3261, 0.1722 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, 64, 249) }
```

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

```
.border{ border-color:rgb(255, 64, 249) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7663, 0.3261, 0.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 249) }
```

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

```
.background{ background-color: rgb(255, 64,  
249) }
```

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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