

Converting Colors

Yxy(31.6322, 0.3234, 0.1692)

Have a look what the booklet for
Yxy(31.6322, 0.3234, 0.1692)
contains.

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Color

Yxy(31.6258, 0.3232, 0.1690)

Conversions

Conversions Part 1

Format	Color
Hex	FF3DFC
RGB	255, 61, 252
RGB Percent	100%, 24%, 99%
CMY	0.0000, 0.7608, 0.0117
CMYK	0.00, 0.76, 0.01, 0.00
HSL	301°, 100%, 62%
HSV	301°, 76%, 100%
XYZ	60.4820, 31.6258, 95.0271
YIQ	140.7800, 54.3130, 100.5290

Conversions

Conversions Part 2

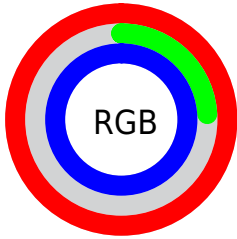
Format	Color
R _Y B	255, 61, 252
Decimal	16727548
CIE _{Lab}	63.03, 89.41, -54.87
CIE _{LCh}	63, 104.899, 328.464
Yxy	31.6258, 0.3232, 0.1690
Android (android.graphics.Color)	4294917628 (0xFFFF3DFC)
YUV	140.7800, 54.8315, 100.1709
Hunter-Lab	56.2368, 93.5601, -60.8205

Details

The Yxy color **31.6258, 0.3232, 0.1690** 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 **72.8820, 0.3008, 0.5677**, and the grayscale version is **26.3114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1805, 0.3183, 0.2095**, and **15.4095, 0.3196, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **29.4962, 0.3240, 0.1610**, and if you desaturate by 10%, it is **35.0498, 0.3221, 0.1814**.

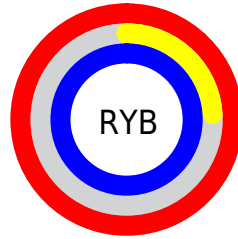
Distribution



Red (100%)

Green (24%)

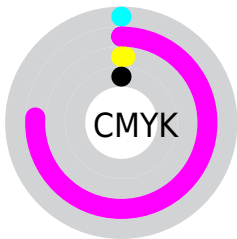
Blue (99%)



Red (100%)

Yellow (24%)

Blue (99%)

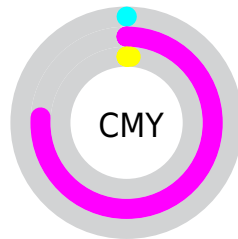


Cyan (0%)

Magenta (76%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (76%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6258, 0.3232, 0.1690 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 31.6258, 0.3232, 0.1690 by changing the saturation by 10% instead.


 31.6258, 0.3232,
0.1690


 31.6258, 0.3232,
0.1690


309.4111, 0.3224,
0.2397


 21.0758, 0.3223,
0.1542


 62.2240, 0.3238,
0.1926

 13.1795, 0.3207,
0.1367


 83.0410, 0.3238,
0.2020


 7.5522, 0.3177,
0.1160


 108.0492, 0.3236,
0.2103

 3.8098, 0.3124,
0.0915

 137.6329, 0.3234,
0.2176

 1.5677, 0.3028,
0.0632

 172.1766, 0.3232,
0.2241

 0.3357, 0.2872,
0.0252

212.0646, 0.3229,

 0.0000, 0.2526,

0.2298

0.0000

257.6813, 0.3227,
0.2350

■ 0.0000, 0.1624,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6258, 0.3232,
0.1690

■ 31.6258, 0.3232,
0.1690

■ 29.4962, 0.3240,
0.1610

■ 35.0498, 0.3221,
0.1814

■ 28.4569, 0.3247,
0.1571


■ 39.9273, 0.3209,
0.1979


■ 28.2302, 0.3249,
0.1563

■ 46.3976, 0.3195,
0.2180

■ 54.5831, 0.3180,
0.2406

 64.5942, 0.3165,
0.2648

 76.5319, 0.3150,
0.2896

 90.4900, 0.3136,
0.3143

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.



31.6258, 0.1894, 0.1322



31.6258, 0.3232, 0.1690



31.6258, 0.4963, 0.2334

Triad

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



31.6258, 0.3232, 0.1690



31.6258, 0.4914, 0.5044



31.6258, 0.0888, 0.2410

Complementary

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



31.6258, 0.3232, 0.1690



72.8820, 0.3008, 0.5677

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.



31.6258, 0.1348, 0.4277



31.6258, 0.3232, 0.1690



31.6258, 0.3628, 0.6146

Square

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



31.6258, 0.3232, 0.1690



31.6258, 0.5876, 0.3950



31.6258, 0.2364, 0.6198



31.6258, 0.0862, 0.1537

Rectangle

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



31.6258, 0.3232, 0.1690



31.6258, 0.5823, 0.2840



31.6258, 0.2364, 0.6198



31.6258, 0.0982, 0.2913

Sweetspot

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



31.6268, 0.3232, 0.1690



68.0600, 0.3160, 0.2724



11.5494, 0.1679, 0.0896



13.7012, 0.3166, 0.2635



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.



31.6268, 0.3232, 0.1690



28.8632, 0.3244, 0.1586



27.0659, 0.4416, 0.2435



18.2953, 0.3140, 0.3059



14.7531, 0.3248, 0.1563



1.4379, 0.3243, 0.1560

Inverse Universe

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



31.6268, 0.3232, 0.1690



28.8632, 0.3244, 0.1586



74.9806, 0.2685, 0.4590



18.2953, 0.3140, 0.3059



14.7531, 0.3248, 0.1563



1.4379, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 31.6258, 0.3232, 0.1690 looks on a white background.

Color Contrast Check

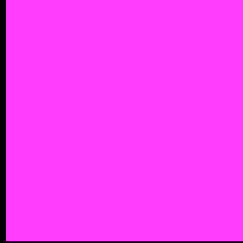
Large Text (above 18pt) WCAG AA × Fail

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 31.6258, 0.3232, 0.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

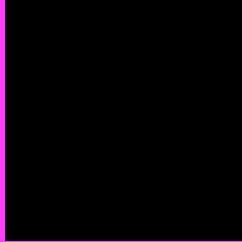
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6258, 0.3232, 0.1690

Background



This preview shows how black text looks on a background with the Yxy color 31.6258, 0.3232, 0.1690.



This preview shows how white text looks on a background with the Yxy color 31.6258, 0.3232, 0.1690.

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

31.6258, 0.3232, 0.1690

Protanopia

31.7791, 0.2100, 0.1921

Deuteranopia

31.7526, 0.2175, 0.2109



Tritanopia

31.2261, 0.4620, 0.3210

Trichromacy



Original Color

31.6258, 0.3232, 0.1690



Protanomaly

27.3519, 0.2376, 0.1677



Deuteranomaly

27.1989, 0.2438, 0.1772



Tritanomaly

30.0312, 0.4101, 0.2537

Monochromacy



Original Color

31.6258, 0.3232, 0.1690



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

24.8696, 0.3182, 0.2367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6258, 0.3232, 0.1690 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, 61, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 252)  
}
```

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, 61, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 252) }
```

Border

The CSS property to change the border of an element to Yxy 31.6258, 0.3232, 0.1690 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, 61, 252) }
```

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

```
.border{ border-color:rgb(255, 61, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 61, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6258, 0.3232, 0.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 252) }
```

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

```
.background{ background-color: rgb(255, 61,  
252) }
```

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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