

Converting Colors

Yxy(31.2411, 0.3251, 0.1692)

Have a look what the booklet for
Yxy(31.2411, 0.3251, 0.1692)
contains.

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Color

Yxy(31.2901, 0.3252, 0.1694)

Conversions

Conversions Part 1

Format	Color
Hex	FF3BFA
RGB	255, 59, 250
RGB Percent	100%, 23%, 98%
CMY	0.0000, 0.7688, 0.0194
CMYK	0.00, 0.77, 0.02, 0.00
HSL	302°, 100%, 62%
HSV	302°, 77%, 100%
XYZ	60.0681, 31.2901, 93.3531
YIQ	139.3780, 55.5050, 100.9530

Conversions

Conversions Part 2

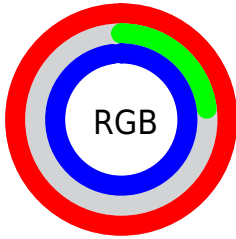
Format	Color
R _Y B	255, 59, 250
Decimal	16727034
CIE _{Lab}	62.75, 89.63, -54.22
CIE _{LCh}	63, 104.757, 328.829
Yxy	31.2901, 0.3252, 0.1694
Android (android.graphics.Color)	4294917114 (0xFFFF3BFA)
YUV	139.3780, 54.5366, 101.4005
Hunter-Lab	55.9376, 93.7902, -59.7917

Details

The Yxy color **31.2901, 0.3252, 0.1694** 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 **72.8179, 0.3003, 0.5681**, and the grayscale version is **25.7345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6587, 0.3184, 0.2079**, and **15.3196, 0.3222, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **29.2382, 0.3263, 0.1618**, and if you desaturate by 10%, it is **34.6182, 0.3238, 0.1814**.

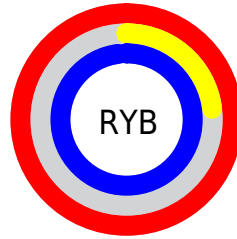
Distribution



Red (100%)

Green (23%)

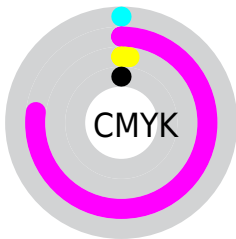
Blue (98%)



Red (100%)

Yellow (23%)

Blue (98%)

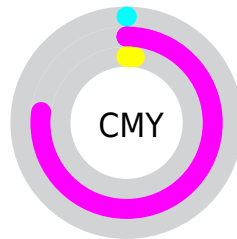


Cyan (0%)

Magenta (77%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2901, 0.3252, 0.1694 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 31.2901, 0.3252, 0.1694 by changing the saturation by 10% instead.


 31.2901, 0.3252,
0.1694


 31.2901, 0.3252,
0.1694


307.8726, 0.3234,
0.2401


 20.8199, 0.3246,
0.1545


 61.6965, 0.3254,
0.1930


 12.9924, 0.3232,
0.1370


 82.4015, 0.3253,
0.2025


 7.4233, 0.3206,
0.1162


 107.2868, 0.3250,
0.2107

 3.7282, 0.3158,
0.0916

 136.7369, 0.3247,
0.2180

 1.5227, 0.3067,
0.0631

 171.1361, 0.3244,
0.2245

 0.3046, 0.2921,
0.0236

210.8689, 0.3241,

 0.0000, 0.2574,

0.2303

0.0000

256.3196, 0.3237,
0.2354

0.0000, 0.1626,
0.0000

0.0000, 0.0000,
0.0000

31.2901, 0.3252,
0.1694

31.2901, 0.3252,
0.1694

29.2382, 0.3263,
0.1618

34.6182, 0.3238,
0.1814


28.2572, 0.3272,
0.1584


39.3899, 0.3223,
0.1975

28.0718, 0.3275,
0.1578

45.7442, 0.3206,
0.2172

53.8045, 0.3189,
0.2395

 63.6819, 0.3171,
0.2634

 75.4784, 0.3154,
0.2880

 89.2880, 0.3138,
0.3126

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.



31.2901, 0.1905, 0.1322



31.2901, 0.3252, 0.1694



31.2901, 0.4987, 0.2342

Triad

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



31.2901, 0.3252, 0.1694



31.2901, 0.4901, 0.5060



31.2901, 0.0883, 0.2392

Complementary

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



31.2901, 0.3252, 0.1694



72.8179, 0.3003, 0.5681

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.



31.2901, 0.1336, 0.4251



31.2901, 0.3252, 0.1694



31.2901, 0.3611, 0.6161

Square

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



31.2901, 0.3252, 0.1694



31.2901, 0.5871, 0.3960



31.2901, 0.2346, 0.6193



31.2901, 0.0861, 0.1528

Rectangle

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



31.2901, 0.3252, 0.1694



31.2901, 0.5839, 0.2848



31.2901, 0.2346, 0.6193



31.2901, 0.0975, 0.2891

Sweetspot

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



31.2891, 0.3252, 0.1694



68.0228, 0.3165, 0.2729



11.3757, 0.1680, 0.0884



13.6920, 0.3171, 0.2641



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.



31.2891, 0.3252, 0.1694



28.6185, 0.3268, 0.1596



26.7077, 0.4486, 0.2465



18.2920, 0.3142, 0.3062



14.6717, 0.3273, 0.1577



1.4310, 0.3266, 0.1573

Inverse Universe

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



31.2891, 0.3252, 0.1694



28.6185, 0.3268, 0.1596



74.9954, 0.2671, 0.4560



18.2920, 0.3142, 0.3062



14.6717, 0.3273, 0.1577



1.4310, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 31.2901, 0.3252, 0.1694 looks on a white background.

Color Contrast Check

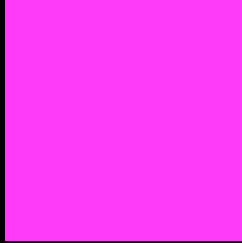
Large Text (above 18pt) WCAG AA × Fail

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 31.2901, 0.3252, 0.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

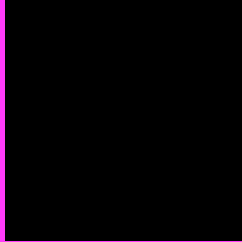
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2901, 0.3252, 0.1694

Background



This preview shows how black text looks on a background with the Yxy color 31.2901, 0.3252, 0.1694.



This preview shows how white text looks on a background with the Yxy color 31.2901, 0.3252, 0.1694.

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

31.2901, 0.3252, 0.1694

Protanopia

31.7181, 0.2095, 0.1919

Deuteranopia

31.6967, 0.2189, 0.2130



Tritanopia

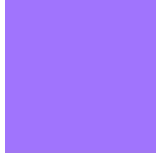
31.1370, 0.4662, 0.3221

Trichromacy



Original Color

31.2901, 0.3252, 0.1694



Protanomaly

27.0562, 0.2380, 0.1674



Deuteranomaly

26.9447, 0.2457, 0.1780



Tritanomaly

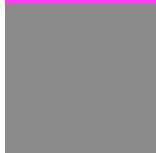
29.7916, 0.4144, 0.2544

Monochromacy



Original Color

31.2901, 0.3252, 0.1694



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2303, 0.3194, 0.2362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2901, 0.3252, 0.1694 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, 59, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 250)  
}
```

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, 59, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 250) }
```

Border

The CSS property to change the border of an element to Yxy 31.2901, 0.3252, 0.1694 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, 59, 250) }
```

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

```
.border{ border-color:rgb(255, 59, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 59, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2901, 0.3252, 0.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 250) }
```

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

```
.background{ background-color: rgb(255, 59,  
250) }
```

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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