

Converting Colors

Yxy(31.0249, 0.3212, 0.1648)

Have a look what the booklet for
Yxy(31.0249, 0.3212, 0.1648)
contains.

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Color

Yxy(31.0541, 0.3214, 0.1651)

Conversions

Conversions Part 1

Format	Color
Hex	FF36FE
RGB	255, 54, 254
RGB Percent	100%, 21%, 100%
CMY	0.0000, 0.7883, 0.0039
CMYK	0.00, 0.79, 0.00, 0.00
HSL	300°, 100%, 61%
HSV	300°, 79%, 100%
XYZ	60.4530, 31.0541, 96.5856
YIQ	136.8990, 55.5960, 104.8120

Conversions

Conversions Part 2

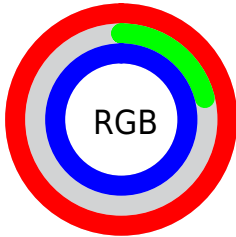
Format	Color
R _Y B	255, 54, 254
Decimal	16725758
CIE _{Lab}	62.55, 91.40, -56.73
CIE _{LCh}	63, 107.578, 328.173
Y _{xy}	31.0541, 0.3214, 0.1651
Android (android.graphics.Color)	4294915838 (0xFFFF36FE)
YUV	136.8990, 57.7308, 103.5746
Hunter-Lab	55.7262, 96.1198, -63.7541

Details

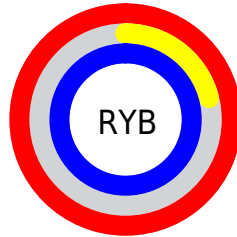
The Yxy color **31.0541, 0.3214, 0.1651** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.5793, 0.3009, 0.5753**, and the grayscale version is **24.7350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8953, 0.3185, 0.2055**, and **15.4549, 0.3184, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **29.2623, 0.3219, 0.1582**, and if you desaturate by 10%, it is **34.0866, 0.3207, 0.1764**.

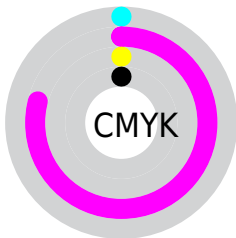
Distribution



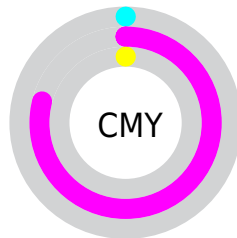
- Red (100%)
- Green (21%)
- Blue (100%)



- Red (100%)
- Yellow (21%)
- Blue (100%)



- Cyan (0%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0541, 0.3214, 0.1651 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 31.0541, 0.3214, 0.1651 by changing the saturation by 10% instead.


 31.0541, 0.3214,
0.1651


 31.0541, 0.3214,
0.1651


306.7875, 0.3217,
0.2372

 20.6400, 0.3202,
0.1501


 61.3252, 0.3224,
0.1891


 12.8611, 0.3181,
0.1324


 81.9511, 0.3226,
0.1987

 7.3330, 0.3146,
0.1116


 106.7497, 0.3226,
0.2071

 3.6712, 0.3085,
0.0872

 136.1054, 0.3225,
0.2146

 1.4914, 0.2979,
0.0592

 170.4027, 0.3223,
0.2212

 0.2827, 0.2811,
0.0208

210.0258, 0.3222,

 0.0000, 0.2441,

0.2271

0.0000

255.3593, 0.3220,
0.2324

■ 0.0000, 0.1541,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.0541, 0.3214,
0.1651

■ 31.0541, 0.3214,
0.1651

■ 29.2623, 0.3219,
0.1582

■ 34.0866, 0.3207,
0.1764

■ 28.4654, 0.3221,
0.1551

■ 38.5323, 0.3198,
0.1919

■ 28.3997, 0.3222,
0.1548

■ 44.5347, 0.3188,
0.2111

■ 52.2199, 0.3176,
0.2333

61.7012, 0.3164,
0.2573

73.0821, 0.3151,
0.2823

86.4582, 0.3138,
0.3074

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.



31.0541, 0.1854, 0.1283



31.0541, 0.3214, 0.1651



31.0541, 0.5000, 0.2300

Triad

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



31.0541, 0.3214, 0.1651



31.0541, 0.4947, 0.5050



31.0541, 0.0847, 0.2389

Complementary

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



31.0541, 0.3214, 0.1651



72.5793, 0.3009, 0.5753

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.



31.0541, 0.1308, 0.4328



31.0541, 0.3214, 0.1651



31.0541, 0.3619, 0.6200

Square

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



31.0541, 0.3214, 0.1651



31.0541, 0.5932, 0.3921



31.0541, 0.2335, 0.6315



31.0541, 0.0823, 0.1501

Rectangle

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



31.0541, 0.3214, 0.1651



31.0541, 0.5890, 0.2808



31.0541, 0.2335, 0.6315



31.0541, 0.0941, 0.2908

Sweetspot

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



31.0534, 0.3214, 0.1651



66.9553, 0.3157, 0.2693



10.6405, 0.1644, 0.0837



13.4924, 0.3162, 0.2605



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.



31.0534, 0.3214, 0.1651



28.6852, 0.3220, 0.1559



26.2462, 0.4485, 0.2431



18.2988, 0.3139, 0.3057



14.8402, 0.3221, 0.1548



1.4454, 0.3220, 0.1547

Inverse Universe

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



31.0534, 0.3214, 0.1651



28.6852, 0.3220, 0.1559



74.6533, 0.2685, 0.4645



18.2988, 0.3139, 0.3057



14.8402, 0.3221, 0.1548



1.4454, 0.3220, 0.1547

Previews

White Background



This preview shows how the Yxy color 31.0541, 0.3214, 0.1651 looks on a white background.

Color Contrast Check

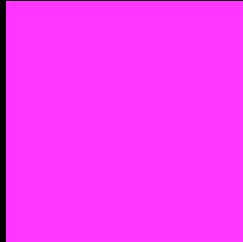
Large Text (above 18pt) WCAG AA × Fail

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 31.0541, 0.3214, 0.1651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

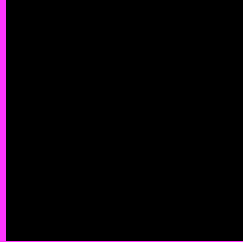
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0541, 0.3214, 0.1651

Background



This preview shows how black text looks on a background with the Yxy color 31.0541, 0.3214, 0.1651.



This preview shows how white text looks on a background with the Yxy color 31.0541, 0.3214, 0.1651.

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

31.0541, 0.3214, 0.1651

Protanopia

31.3429, 0.2088, 0.1905

Deuteranopia

31.1912, 0.2142, 0.2078



Tritanopia

30.7469, 0.4658, 0.3210

Trichromacy



Original Color

31.0541, 0.3214, 0.1651



Protanomaly

26.6256, 0.2358, 0.1636



Deuteranomaly

26.2515, 0.2404, 0.1722



Tritanomaly

29.3473, 0.4112, 0.2503

Monochromacy



Original Color

31.0541, 0.3214, 0.1651



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.5140, 0.3173, 0.2309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0541, 0.3214, 0.1651 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, 54, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 254)  
}
```

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, 54, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 254) }
```

Border

The CSS property to change the border of an element to Yxy 31.0541, 0.3214, 0.1651 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, 54, 254) }
```

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

```
.border{ border-color:rgb(255, 54, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 54, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0541, 0.3214, 0.1651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 254) }
```

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

```
.background{ background-color: rgb(255, 54,  
254) }
```

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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