

Converting Colors

$Y_{xy}(31.3900, 0.3232, 0.1939)$

Have a look what the booklet for
Yxy(31.3900, 0.3232, 0.1939)
contains.

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Color

Yxy(31.3900, 0.3232, 0.1939)

Conversions

Conversions Part 1

Format	Color
Hex	EA5FE6
RGB	234, 95, 230
RGB Percent	92%, 37%, 90%
CMY	0.0821, 0.6276, 0.0980
CMYK	0.00, 0.59, 0.02, 0.08
HSL	302°, 77%, 65%
HSV	302°, 59%, 92%
XYZ	52.3221, 31.3900, 78.1755
YIQ	151.9510, 39.5090, 71.4530

Conversions

Conversions Part 2

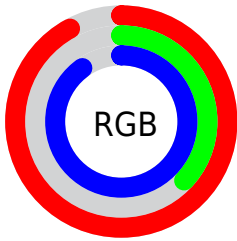
Format	Color
R _Y B	234, 95, 230
Decimal	15359974
CIE Lab	62.84, 69.97, -43.16
CIE LCh	63, 82.216, 328.330
Yxy	31.3900, 0.3232, 0.1939
Android (android.graphics.Color)	4293550054 (0xFFEA5FE6)
YUV	151.9510, 38.4782, 71.9570
Hunter-Lab	56.0268, 68.6500, -43.5100

Details

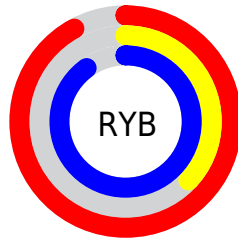
The Yxy color **31.3900, 0.3232, 0.1939** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.2089, 0.3021, 0.5162**, and the grayscale version is **31.1900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2625, 0.3174, 0.2302**, and **13.0487, 0.3219, 0.1631** is the 20% darker color. If you saturate the color by 10%, you get **27.7539, 0.3248, 0.1788**, and if you desaturate by 10%, it is **36.2951, 0.3215, 0.2127**.

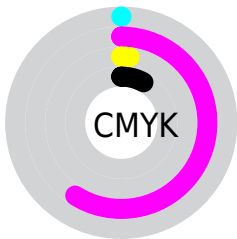
Distribution



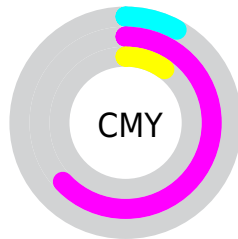
- Red (92%)
- Green (37%)
- Blue (90%)



- Red (92%)
- Yellow (37%)
- Blue (90%)



- Cyan (0%)
- Magenta (59%)
- Yellow (2%)
- Black (8%)




- Cyan (8%)
- Magenta (63%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3900, 0.3232, 0.1939 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 31.3900, 0.3232, 0.1939 by changing the saturation by 10% instead.


 31.3900, 0.3232,
0.1939


 31.3900, 0.3232,
0.1939

308.3310, 0.3210,
0.2564


 20.8960, 0.3229,
0.1800


 61.8536, 0.3230,
0.2154

 13.0480, 0.3222,
0.1632

 82.5919, 0.3228,
0.2238

 7.4616, 0.3204,
0.1425


 107.5139, 0.3225,
0.2311

 3.7524, 0.3168,
0.1169

 137.0038, 0.3222,
0.2374

 1.5361, 0.3094,
0.0853

171.4461, 0.3219,
0.2430

 0.3139, 0.2974,
0.0355

211.2251, 0.3215,

 0.0000, 0.2614,

0.2480

0.0000

256.7253, 0.3212,
0.2524

0.0000, 0.0000,
0.0000

31.3900, 0.3232,
0.1939

31.3900, 0.3232,
0.1939

27.7539, 0.3248,
0.1788

36.2951, 0.3215,
0.2127

25.2652, 0.3262,
0.1678

42.5677, 0.3196,
0.2343

23.7860, 0.3274,
0.1613

50.3018, 0.3178,
0.2578

23.0933, 0.3284,
0.1584

59.5815, 0.3160,
0.2821

23.0624, 0.3284,
0.1583

70.4849, 0.3142,
0.3065

 83.0846, 0.3126,
0.3303

 95.0072, 0.3113,
0.3493

 95.0466, 0.3109,
0.3486

 95.0860, 0.3105,
0.3479

Harmonies

Analogous

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



31.3900, 0.2112, 0.1604



31.3900, 0.3232, 0.1939



31.3900, 0.4588, 0.2520

Triad

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



31.3900, 0.3232, 0.1939



31.3900, 0.4763, 0.4907



31.3900, 0.1224, 0.2642

Complementary

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



31.3900, 0.3232, 0.1939



62.2089, 0.3021, 0.5162

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.



31.3900, 0.1693, 0.4088



31.3900, 0.3232, 0.1939



31.3900, 0.3723, 0.5648

Square

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



31.3900, 0.3232, 0.1939



31.3900, 0.5475, 0.4024



31.3900, 0.2612, 0.5489



31.3900, 0.1167, 0.1846

Rectangle

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



31.3900, 0.3232, 0.1939



31.3900, 0.5283, 0.2989



31.3900, 0.2612, 0.5489



31.3900, 0.1329, 0.3058

Sweetspot

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



31.3914, 0.3232, 0.1939



74.0444, 0.3157, 0.2854



16.6752, 0.1985, 0.1385



15.0838, 0.3162, 0.2783



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.



31.3914, 0.3232, 0.1939



33.0368, 0.3251, 0.1764



28.2926, 0.4043, 0.2566



15.3058, 0.3142, 0.3065



12.9561, 0.3283, 0.1582



1.0198, 0.3272, 0.1576

Inverse Universe

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



31.3914, 0.3232, 0.1939



33.0368, 0.3251, 0.1764



64.0916, 0.2707, 0.4220



15.3058, 0.3142, 0.3065



12.9561, 0.3283, 0.1582



1.0198, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 31.3900, 0.3232, 0.1939 looks on a white background.

Color Contrast Check

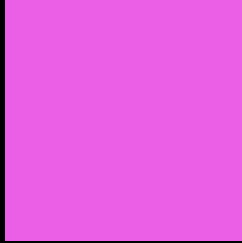
Large Text (above 18pt) WCAG AA × Fail

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 31.3900, 0.3232, 0.1939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

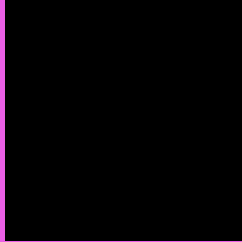
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3900, 0.3232, 0.1939

Background



This preview shows how black text looks on a background with the Yxy color 31.3900, 0.3232, 0.1939.

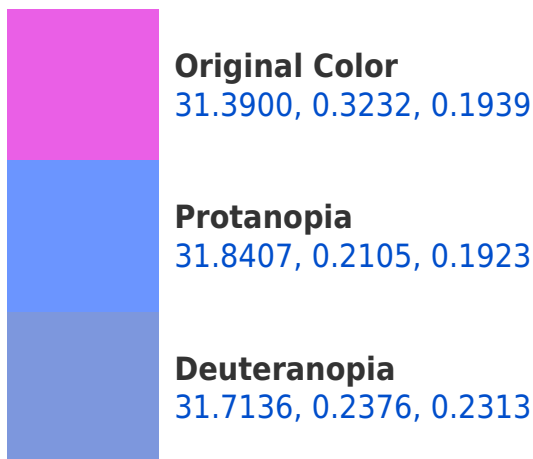


This preview shows how white text looks on a background with the Yxy color 31.3900, 0.3232, 0.1939.

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





Tritanopia

31.2457, 0.4231, 0.3187

Trichromacy



Original Color

31.3900, 0.3232, 0.1939



Protanomaly

29.1266, 0.2388, 0.1848



Deuteranomaly

29.6138, 0.2631, 0.2101



Tritanomaly

30.7093, 0.3855, 0.2663

Monochromacy



Original Color

31.3900, 0.3232, 0.1939



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.4730, 0.3180, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3900, 0.3232, 0.1939 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(234, 95, 230)` looks like.

```
.text, #text, p{  
    color:rgb(234, 95, 230)  
}
```

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(234, 95, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 95, 230) }
```

Border

The CSS property to change the border of an element to Yxy 31.3900, 0.3232, 0.1939 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(234, 95, 230) }
```

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

```
.border{ border-color:rgb(234, 95, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 95, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 95, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 95, 230);  
box-shadow:4px 4px 4px 4px rgb(234, 95,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3900, 0.3232, 0.1939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 95, 230) }
```

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

```
.background{ background-color: rgb(234, 95,  
230) }
```

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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