

Converting Colors

$Y_{xy}(36.0789, 0.3265, 0.1895)$

Have a look what the booklet for
Yxy(36.0789, 0.3265, 0.1895)
contains.

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Color

Yxy(36.0427, 0.3261, 0.1890)

Conversions

Conversions Part 1

Format	Color
Hex	FF5EF8
RGB	255, 94, 248
RGB Percent	100%, 37%, 97%
CMY	0.0000, 0.6314, 0.0275
CMYK	0.00, 0.63, 0.03, 0.00
HSL	303°, 100%, 68%
HSV	303°, 63%, 100%
XYZ	62.1880, 36.0427, 92.4715
YIQ	159.6950, 46.5220, 82.0260

Conversions

Conversions Part 2

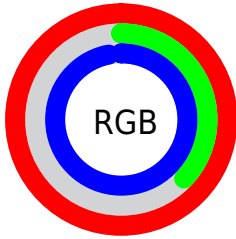
Format	Color
R _Y B	255, 94, 248
Decimal	16735992
CIE _{Lab}	66.55, 78.24, -47.07
CIE _{LCh}	67, 91.306, 328.970
Yxy	36.0427, 0.3261, 0.1890
Android (android.graphics.Color)	4294926072 (0xFFFF5EF8)
YUV	159.6950, 43.5344, 83.5825
Hunter-Lab	60.0356, 79.8373, -49.2982

Details

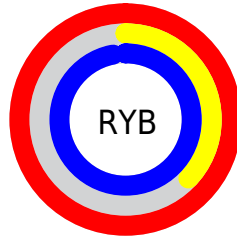
The Yxy color **36.0427, 0.3261, 0.1890** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.8394, 0.3007, 0.5268**, and the grayscale version is **34.7842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **15.7343, 0.3260, 0.1598** is the 20% darker color. If you saturate the color by 10%, you get **32.1621, 0.3281, 0.1756**, and if you desaturate by 10%, it is **41.4177, 0.3239, 0.2064**.

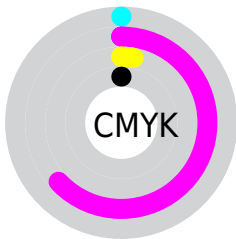
Distribution



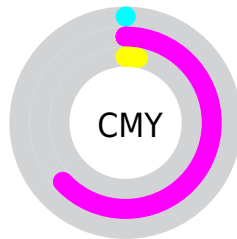
- Red (100%)
- Green (37%)
- Blue (97%)



- Red (100%)
- Yellow (37%)
- Blue (97%)



- Cyan (0%)
- Magenta (63%)
- Yellow (3%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0427, 0.3261, 0.1890 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 36.0427, 0.3261, 0.1890 by changing the saturation by 10% instead.


 36.0427, 0.3261,
0.1890

 36.0427, 0.3261,
0.1890


329.1471, 0.3228,
0.2516


 24.4672, 0.3261,
0.1756


 69.0980, 0.3256,
0.2101

 15.6805, 0.3256,
0.1595


 91.3465, 0.3252,
0.2185

 9.2984, 0.3244,
0.1402


 117.9215, 0.3248,
0.2258

 4.9363, 0.3218,
0.1166

 149.2073, 0.3244,
0.2322

 2.2099, 0.3162,
0.0880

185.5884, 0.3239,
0.2379

 0.7254, 0.3048,
0.0538

227.4492, 0.3236,

 0.0000, 0.2853,

0.2430

0.0000

275.1739, 0.3232,
0.2475

■ 0.0000, 0.2106,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0427, 0.3261,
0.1890

■ 36.0427, 0.3261,
0.1890

■ 32.1621, 0.3281,
0.1756

■ 41.4177, 0.3239,
0.2064

■ 29.6266, 0.3299,
0.1665

■ 48.4250, 0.3217,
0.2269

■ 28.2476, 0.3314,
0.1618

■ 57.1813, 0.3194,
0.2496

■ 27.7847, 0.3324,
0.1605

■ 67.7941, 0.3173,
0.2736

 80.3622, 0.3152,
0.2978

 94.9774, 0.3133,
0.3217

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.



36.0427, 0.2080, 0.1540



36.0427, 0.3261, 0.1890



36.0427, 0.4699, 0.2492

Triad

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



36.0427, 0.3261, 0.1890



36.0427, 0.4785, 0.4965



36.0427, 0.1138, 0.2567

Complementary

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



36.0427, 0.3261, 0.1890



74.8394, 0.3007, 0.5268

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.



36.0427, 0.1599, 0.4095



36.0427, 0.3261, 0.1890



36.0427, 0.3689, 0.5779

Square

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



36.0427, 0.3261, 0.1890



36.0427, 0.5565, 0.4034



36.0427, 0.2538, 0.5625



36.0427, 0.1095, 0.1763

Rectangle

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



36.0427, 0.3261, 0.1890



36.0427, 0.5422, 0.2973



36.0427, 0.2538, 0.5625



36.0427, 0.1238, 0.2999

Sweetspot

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



36.0411, 0.3261, 0.1890



72.7526, 0.3164, 0.2836



17.8981, 0.1921, 0.1263



14.8308, 0.3170, 0.2767



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.



36.0411, 0.3261, 0.1890



31.3067, 0.3286, 0.1725



32.1344, 0.4174, 0.2559



18.2859, 0.3145, 0.3066



14.5241, 0.3322, 0.1603



1.4182, 0.3308, 0.1596

Inverse Universe

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



36.0411, 0.3261, 0.1890



31.3067, 0.3286, 0.1725



77.1893, 0.2682, 0.4259



18.2859, 0.3145, 0.3066



14.5241, 0.3322, 0.1603



1.4182, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 36.0427, 0.3261, 0.1890 looks on a white background.

Color Contrast Check

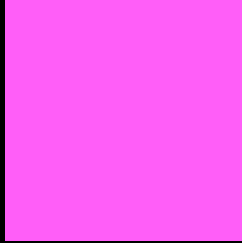
Large Text (above 18pt) WCAG AA × Fail

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 36.0427, 0.3261, 0.1890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

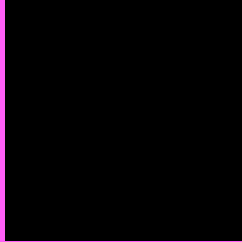
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0427, 0.3261, 0.1890

Background



This preview shows how black text looks on a background with the Yxy color 36.0427, 0.3261, 0.1890.



This preview shows how white text looks on a background with the Yxy color 36.0427, 0.3261, 0.1890.

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

36.0427, 0.3261, 0.1890

Protanopia

36.3014, 0.2220, 0.2079

Deuteranopia

36.3500, 0.2345, 0.2290



Tritanopia

35.8336, 0.4339, 0.3196

Trichromacy



Original Color

36.0427, 0.3261, 0.1890



Protanomaly

33.1269, 0.2506, 0.1919



Deuteranomaly

33.3562, 0.2603, 0.2043



Tritanomaly

35.2099, 0.3934, 0.2642

Monochromacy



Original Color

36.0427, 0.3261, 0.1890



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.0162, 0.3191, 0.2581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0427, 0.3261, 0.1890 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, 94, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 248)  
}
```

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, 94, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 248) }
```

Border

The CSS property to change the border of an element to Yxy 36.0427, 0.3261, 0.1890 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, 94, 248) }
```

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

```
.border{ border-color:rgb(255, 94, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0427, 0.3261, 0.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 248) }
```

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

```
.background{ background-color: rgb(255, 94,  
248) }
```

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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