

Converting Colors

$Y_{xy}(37.0101, 0.2891, 0.1972)$

Have a look what the booklet for
Yxy(37.0101, 0.2891, 0.1972)
contains.

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Color

Yxy(37.0101, 0.2891, 0.1972)

Conversions

Conversions Part 1

Format	Color
Hex	DB7EFC
RGB	219, 126, 252
RGB Percent	86%, 49%, 99%
CMY	0.1410, 0.5060, 0.0116
CMYK	0.13, 0.50, 0.00, 0.01
HSL	284°, 96%, 74%
HSV	284°, 50%, 99%
XYZ	54.2577, 37.0101, 96.4102
YIQ	168.1710, 14.9820, 58.9020

Conversions

Conversions Part 2

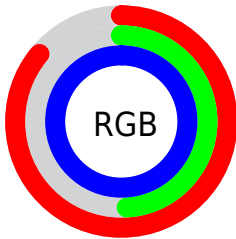
Format	Color
R _Y B	219, 126, 252
Decimal	14384892
CIE Lab	67.28, 55.79, -48.46
CIE LCh	67, 73.895, 319.023
Yxy	37.0101, 0.2891, 0.1972
Android (android.graphics.Color)	4292574972 (0xFFDB7EFC)
YUV	168.1710, 41.3277, 44.5770
Hunter-Lab	60.8359, 52.7358, -51.3751

Details

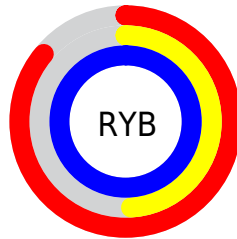
The Yxy color $37.0101, 0.2891, 0.1972$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $78.5184, 0.3234, 0.4802$, and the grayscale version is $39.0335, 0.3127, 0.3290$.

A 20% lighter version of the original color is $61.5277, 0.3161, 0.2565$, and $16.1519, 0.2788, 0.1676$ is the 20% darker color. If you saturate the color by 10%, you get $30.3560, 0.2824, 0.1732$, and if you desaturate by 10%, it is $45.3310, 0.2952, 0.2233$.

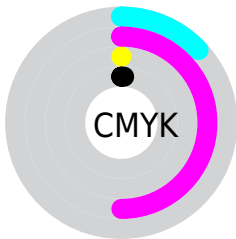
Distribution



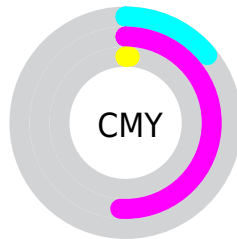
- Red (86%)
- Green (49%)
- Blue (99%)



- Red (86%)
- Yellow (49%)
- Blue (99%)



- Cyan (13%)
- Magenta (50%)
- Yellow (0%)
- Black (1%)





- Cyan (14%)
- Magenta (51%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0101, 0.2891, 0.1972 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 37.0101, 0.2891, 0.1972 by changing the saturation by 10% instead.


 37.0101, 0.2891,
0.1972


 37.0101, 0.2891,
0.1972


333.3542, 0.3034,
0.2571

 25.2153, 0.2850,
0.1841


 70.5883, 0.2947,
0.2176

 16.2375, 0.2796,
0.1683


 93.1405, 0.2967,
0.2256

 9.6924, 0.2722,
0.1491


 120.0474, 0.2983,
0.2326

 5.1955, 0.2615,
0.1255

151.6932, 0.2997,
0.2388

 2.3624, 0.2454,
0.0964

188.4624, 0.3008,
0.2442

 0.8065, 0.2199,
0.0612

230.7394, 0.3018,

 0.0000, 0.1817,

0.2490

0.0000

278.9085, 0.3026,
0.2533

■ 0.0000, 0.0110,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0101, 0.2891,
0.1972

■ 37.0101, 0.2891,
0.1972

■ 30.3560, 0.2824,
0.1732

■ 45.3310, 0.2952,
0.2233

■ 25.2393, 0.2754,
0.1526

■ 55.4259, 0.3007,
0.2505

■ 21.5187, 0.2682,
0.1363

■ 67.3985, 0.3054,
0.2776

■ 19.0240, 0.2611,
0.1247

■ 81.3430, 0.3094,
0.3040

■ 17.4776, 0.2543,
0.1174

■ 97.3471, 0.3127,
0.3290

■ 99.8107, 0.3144,
0.3318

Harmonies

Analogous

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



37.0101, 0.2015, 0.1745



37.0101, 0.2891, 0.1972



37.0101, 0.4034, 0.2444

Triad

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



37.0101, 0.2891, 0.1972



37.0101, 0.4852, 0.4548



37.0101, 0.1537, 0.3096

Complementary

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



37.0101, 0.2891, 0.1972



78.5184, 0.3234, 0.4802

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.



37.0101, 0.2116, 0.4382



37.0101, 0.2891, 0.1972



37.0101, 0.4021, 0.5211

Square

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



37.0101, 0.2891, 0.1972



37.0101, 0.5267, 0.3790



37.0101, 0.3031, 0.5293



37.0101, 0.1358, 0.2208

Rectangle

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



37.0101, 0.2891, 0.1972



37.0101, 0.4729, 0.2856



37.0101, 0.3031, 0.5293



37.0101, 0.1684, 0.3503

Sweetspot

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



37.0116, 0.2891, 0.1972



76.1271, 0.3075, 0.2910



36.4642, 0.2245, 0.2117



15.6577, 0.3066, 0.2854



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.



37.0116, 0.2891, 0.1972



31.1622, 0.2824, 0.1732



40.9249, 0.3458, 0.2325



17.2826, 0.3096, 0.3053



9.1763, 0.2554, 0.1181



0.9011, 0.2635, 0.1225

Inverse Universe

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



38.1197, 0.4166, 0.2948



32.7173, 0.4509, 0.2899



76.4578, 0.2919, 0.4520



17.2998, 0.3253, 0.3228



11.0056, 0.5896, 0.3022



1.0359, 0.5562, 0.2838

Previews

White Background



This preview shows how the Yxy color 37.0101, 0.2891, 0.1972 looks on a white background.

Color Contrast Check

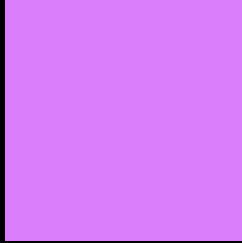
Large Text (above 18pt) WCAG AA × Fail

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 37.0101, 0.2891, 0.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

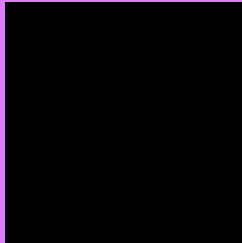
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0101, 0.2891, 0.1972

Background



This preview shows how black text looks on a background with the Yxy color 37.0101, 0.2891, 0.1972.



This preview shows how white text looks on a background with the Yxy color 37.0101, 0.2891, 0.1972.

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

37.0101, 0.2891, 0.1972

Protanopia

37.3769, 0.2252, 0.2112

Deuteranopia

37.2990, 0.2293, 0.2231



Tritanopia

36.8397, 0.3612, 0.3139

Trichromacy



Original Color

37.0101, 0.2891, 0.1972



Protanomaly

36.0169, 0.2439, 0.2025



Deuteranomaly

36.0636, 0.2463, 0.2097

Tritanomaly

36.4553, 0.3338, 0.2653

Monochromacy



Original Color

37.0101, 0.2891, 0.1972



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.4708, 0.3042, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0101, 0.2891, 0.1972 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(219, 126, 252)` looks like.

```
.text, #text, p{  
    color:rgb(219, 126, 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(219, 126, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 126, 252) }
```

Border

The CSS property to change the border of an element to Yxy 37.0101, 0.2891, 0.1972 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(219, 126, 252) }
```

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

```
.border{ border-color:rgb(219, 126, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 126, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 126, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 126, 252);  
box-shadow:4px 4px 4px 4px rgb(219, 126,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0101, 0.2891, 0.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 126, 252) }
```

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

```
.background{ background-color: rgb(219,  
126, 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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