

Converting Colors

$Y_{xy}(36.1748, 0.2479, 0.2034)$

Have a look what the booklet for
Yxy(36.1748, 0.2479, 0.2034)
contains.

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Color

Yxy(36.1748, 0.2479, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	A793FD
RGB	167, 147, 253
RGB Percent	65%, 58%, 99%
CMY	0.3453, 0.4234, 0.0078
CMYK	0.34, 0.42, 0.00, 0.01
HSL	251°, 96%, 78%
HSV	251°, 42%, 99%
XYZ	44.0891, 36.1748, 97.5866
YIQ	165.0640, -22.1060, 37.2060

Conversions

Conversions Part 2

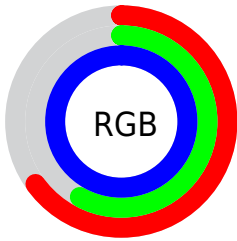
Format	Color
R _Y B	167, 147, 253
Decimal	10982397
CIE _{Lab}	66.65, 30.79, -50.32
CIE _{LCh}	67, 58.994, 301.457
Y _{xy}	36.1748, 0.2479, 0.2034
Android (android.graphics.Color)	4289172477 (0xFFA793FD)
YUV	165.0640, 43.3524, 1.6979
Hunter-Lab	60.1455, 25.5933, -54.0967

Details

The Yxy color **36.1748, 0.2479, 0.2034** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.6967, 0.3615, 0.4381**, and the grayscale version is **37.4533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0008, 0.2935, 0.2726**, and **15.7308, 0.2285, 0.1736** is the 20% darker color. If you saturate the color by 10%, you get **27.0907, 0.2288, 0.1694**, and if you desaturate by 10%, it is **47.3472, 0.2661, 0.2370**.

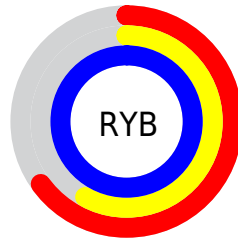
Distribution



Red (65%)

Green (58%)

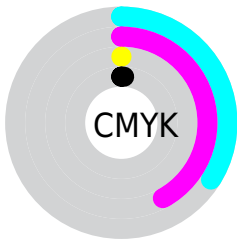
Blue (99%)



Red (65%)

Yellow (58%)

Blue (99%)

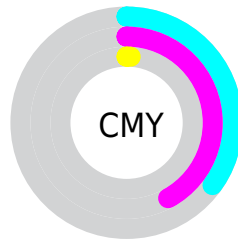


Cyan (34%)

Magenta (42%)

Yellow (0%)

Black (1%)



Cyan (35%)


Magenta (42%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1748, 0.2479, 0.2034 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 36.1748, 0.2479, 0.2034 by changing the saturation by 10% instead.

 36.1748, 0.2479,
0.2034


 36.1748, 0.2479,
0.2034


329.7239, 0.2815,
0.2623

 24.5692, 0.2395,
0.1902


 69.3018, 0.2602,
0.2237

 15.7564, 0.2288,
0.1741


 91.5920, 0.2648,
0.2317

 9.3519, 0.2148,
0.1543


118.2125, 0.2687,
0.2385

 4.9714, 0.1960,
0.1296

149.5478, 0.2720,
0.2445

 2.2305, 0.1701,
0.0988

185.9821, 0.2749,
0.2498

 0.7366, 0.1335,
0.0610

227.9000, 0.2774,

 0.0000, 0.0725,

0.2544

0.0000

275.6858, 0.2796,
0.2585

0.0000, 0.0000,
0.0000

36.1748, 0.2479,
0.2034

36.1748, 0.2479,
0.2034

27.0907, 0.2288,
0.1694

47.3472, 0.2661,
0.2370

19.9594, 0.2096,
0.1370

60.7237, 0.2827,
0.2688

14.6357, 0.1917,
0.1085

76.4164, 0.2975,
0.2981

10.9520, 0.1762,
0.0861

94.5284, 0.3105,
0.3244

8.7078, 0.1644,
0.0712

99.8719, 0.3139,
0.3309

■ 7.7090, 0.1577,
0.0642

Harmonies

Analogous

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



36.1748, 0.1910, 0.1984



36.1748, 0.2479, 0.2034



36.1748, 0.3322, 0.2326

Triad

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



36.1748, 0.2479, 0.2034



36.1748, 0.4826, 0.4040



36.1748, 0.2064, 0.3737

Complementary

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



36.1748, 0.2479, 0.2034



89.6967, 0.3615, 0.4381

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.



36.1748, 0.2752, 0.4640



36.1748, 0.2479, 0.2034



36.1748, 0.4349, 0.4634

Square

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



36.1748, 0.2479, 0.2034



36.1748, 0.4810, 0.3404



36.1748, 0.3589, 0.4952



36.1748, 0.1691, 0.2809

Rectangle

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



36.1748, 0.2479, 0.2034



36.1748, 0.3942, 0.2631



36.1748, 0.3589, 0.4952



36.1748, 0.2263, 0.4072

Sweetspot

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



36.1761, 0.2479, 0.2034



75.8897, 0.2960, 0.2950



71.8993, 0.2517, 0.3064



15.4568, 0.2928, 0.2887



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.



36.1761, 0.2479, 0.2034



29.1512, 0.2324, 0.1757



43.0962, 0.2893, 0.2168



17.5419, 0.3008, 0.3046



4.1465, 0.1587, 0.0648



0.4453, 0.1682, 0.0700

Inverse Universe

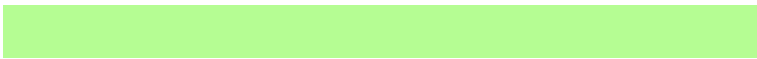
The Inverse Universe completely reimagines the original color for something new.



47.6466, 0.3347, 0.2428



42.3403, 0.3402, 0.2275



82.1317, 0.3264, 0.4517



18.2384, 0.3167, 0.3099



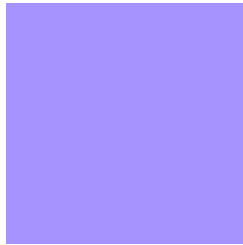
13.4860, 0.3752, 0.1840



1.3275, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 36.1748, 0.2479, 0.2034 looks on a white background.

Color Contrast Check

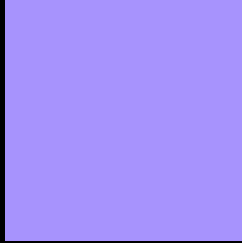
Large Text (above 18pt) WCAG AA × Fail

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 36.1748, 0.2479, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

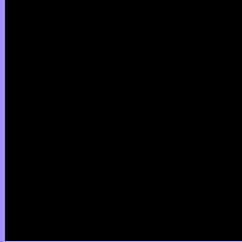
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1748, 0.2479, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 36.1748, 0.2479, 0.2034.



This preview shows how white text looks on a background with the Yxy color 36.1748, 0.2479, 0.2034.

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

36.1748, 0.2479, 0.2034

Protanopia

36.4519, 0.2230, 0.2082

Deuteranopia

36.5247, 0.2212, 0.2154



Tritanopia

36.3046, 0.2902, 0.3101

Trichromacy



Original Color

36.1748, 0.2479, 0.2034

Protanomaly

36.2612, 0.2313, 0.2066

Deuteranomaly

36.2299, 0.2296, 0.2108

Tritanomaly

36.0296, 0.2733, 0.2651

Monochromacy



Original Color

36.1748, 0.2479, 0.2034

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.5919, 0.2870, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1748, 0.2479, 0.2034 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(167, 147, 253)` looks like.

```
.text, #text, p{  
    color:rgb(167, 147, 253)  
}
```

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(167, 147, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 147, 253) }
```

Border

The CSS property to change the border of an element to Yxy 36.1748, 0.2479, 0.2034 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(167, 147, 253) }
```

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

```
.border{ border-color:rgb(167, 147, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 147, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 147, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 147, 253);  
box-shadow:4px 4px 4px 4px rgb(167, 147,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1748, 0.2479, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 147, 253) }
```

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

```
.background{ background-color: rgb(167,  
147, 253) }
```

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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