

Converting Colors

$Y_{xy}(36.6320, 0.2473, 0.2047)$

Have a look what the booklet for
Yxy(36.6320, 0.2473, 0.2047)
contains.

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Color

Yxy(36.6937, 0.2475, 0.2055)

Conversions

Conversions Part 1

Format	Color
Hex	A695FD
RGB	166, 149, 253
RGB Percent	65%, 58%, 99%
CMY	0.3492, 0.4156, 0.0079
CMYK	0.34, 0.41, 0.00, 0.01
HSL	250°, 96%, 79%
HSV	250°, 41%, 99%
XYZ	44.1931, 36.6937, 97.6713
YIQ	165.9390, -23.2520, 35.9480

Conversions

Conversions Part 2

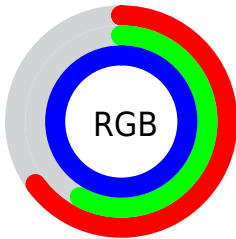
Format	Color
R _Y B	166, 149, 253
Decimal	10917373
CIE Lab	67.05, 29.40, -49.70
CIE LCh	67, 57.744, 300.602
Yxy	36.6937, 0.2475, 0.2055
Android (android.graphics.Color)	4289107453 (0xFFA695FD)
YUV	165.9390, 42.9211, 0.0535
Hunter-Lab	60.5753, 24.2191, -53.1961

Details

The Yxy color **36.6937, 0.2475, 0.2055** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.2569, 0.3625, 0.4353**, and the grayscale version is **37.8981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7792, 0.2928, 0.2746**, and **16.0359, 0.2281, 0.1762** is the 20% darker color. If you saturate the color by 10%, you get **27.4364, 0.2280, 0.1712**, and if you desaturate by 10%, it is **48.0691, 0.2661, 0.2393**.

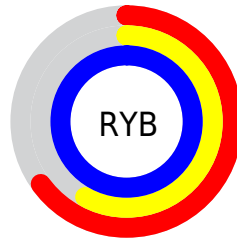
Distribution



Red (65%)

Green (58%)

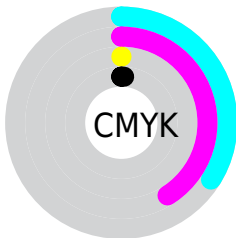
Blue (99%)



Red (65%)

Yellow (58%)

Blue (99%)

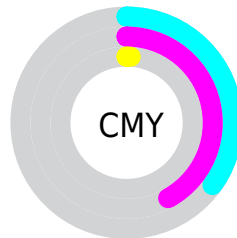


Cyan (34%)

Magenta (41%)

Yellow (0%)

Black (1%)



Cyan (35%)

Magenta (42%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6937, 0.2475, 0.2055 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 36.6937, 0.2475, 0.2055 by changing the saturation by 10% instead.


 36.6937, 0.2475,
0.2055


 36.6937, 0.2475,
0.2055


331.9825, 0.2812,
0.2634

 24.9704, 0.2391,
0.1925


 70.1014, 0.2598,
0.2255

 16.0550, 0.2284,
0.1766


 92.5547, 0.2644,
0.2334

 9.5631, 0.2145,
0.1570

119.3534, 0.2683,
0.2401

 5.1103, 0.1958,
0.1325

150.8820, 0.2716,
0.2460

 2.3121, 0.1700,
0.1019

187.5248, 0.2745,
0.2512

 0.7801, 0.1336,
0.0643

229.6662, 0.2770,

 0.0000, 0.0736,

0.2557

0.0000


277.6906, 0.2792,
0.2598


 0.0000, 0.0000,
0.0000

 36.6937, 0.2475,
0.2055


 36.6937, 0.2475,
0.2055


 27.4364, 0.2280,
0.1712


 48.0691, 0.2661,
0.2393

 20.1611, 0.2085,
0.1383


 61.6792, 0.2830,
0.2711


 14.7218, 0.1903,
0.1092

 77.6368, 0.2982,
0.3002

 10.9506, 0.1747,
0.0862

 96.0461, 0.3114,
0.3263

 8.6477, 0.1629,
0.0708

 99.8711, 0.3139,
0.3309

■ 7.5665, 0.1559,
0.0633

Harmonies

Analogous

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



36.6937, 0.1924, 0.2015



36.6937, 0.2475, 0.2055



36.6937, 0.3293, 0.2335

Triad

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



36.6937, 0.2475, 0.2055



36.6937, 0.4794, 0.4013



36.6937, 0.2105, 0.3755

Complementary

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



36.6937, 0.2475, 0.2055



90.2569, 0.3625, 0.4353

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.



36.6937, 0.2787, 0.4619



36.6937, 0.2475, 0.2055



36.6937, 0.4344, 0.4593

Square

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



36.6937, 0.2475, 0.2055



36.6937, 0.4758, 0.3389



36.6937, 0.3607, 0.4907



36.6937, 0.1728, 0.2846

Rectangle

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



36.6937, 0.2475, 0.2055



36.6937, 0.3897, 0.2632



36.6937, 0.3607, 0.4907



36.6937, 0.2304, 0.4077

Sweetspot

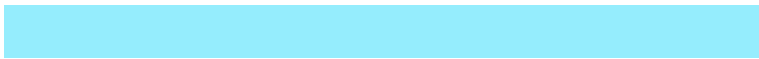
The Sweet Spot groups the original color and five complimentary colors.



36.6951, 0.2475, 0.2055



77.4676, 0.2969, 0.2977



74.2793, 0.2534, 0.3110



16.1032, 0.2950, 0.2940



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.



36.6951, 0.2475, 0.2055



29.7201, 0.2321, 0.1783



43.2839, 0.2870, 0.2180



17.5198, 0.3004, 0.3046



4.0661, 0.1569, 0.0638



0.4343, 0.1657, 0.0687

Inverse Universe

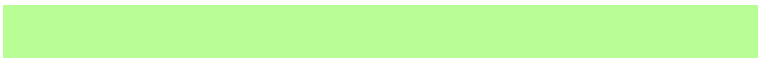
The Inverse Universe completely reimagines the original color for something new.



48.4423, 0.3319, 0.2421



43.2168, 0.3365, 0.2266



82.7792, 0.3285, 0.4483



18.2466, 0.3163, 0.3093



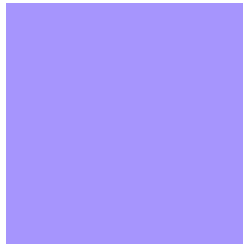
13.6507, 0.3670, 0.1796



1.3421, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 36.6937, 0.2475, 0.2055 looks on a white background.

Color Contrast Check

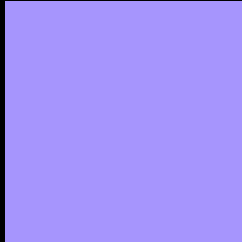
Large Text (above 18pt) WCAG AA × Fail

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 36.6937, 0.2475, 0.2055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

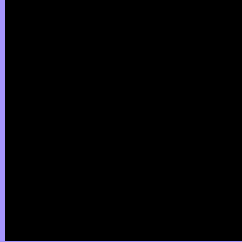
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6937, 0.2475, 0.2055

Background



This preview shows how black text looks on a background with the Yxy color 36.6937, 0.2475, 0.2055.



This preview shows how white text looks on a background with the Yxy color 36.6937, 0.2475, 0.2055.

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

36.6937, 0.2475, 0.2055

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

37.0896, 0.2231, 0.2172



Tritanopia

36.6086, 0.2886, 0.3101

Trichromacy



Original Color

36.6937, 0.2475, 0.2055

Protanomaly

36.6835, 0.2322, 0.2081

Deuteranomaly

36.7371, 0.2310, 0.2124

Tritanomaly

36.2720, 0.2726, 0.2663

Monochromacy



Original Color

36.6937, 0.2475, 0.2055

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.3258, 0.2863, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6937, 0.2475, 0.2055 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(166, 149, 253)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 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(166, 149, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 253) }
```

Border

The CSS property to change the border of an element to Yxy 36.6937, 0.2475, 0.2055 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(166, 149, 253) }
```

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

```
.border{ border-color:rgb(166, 149, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 149, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 253);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6937, 0.2475, 0.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 253) }
```

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

```
.background{ background-color: rgb(166,  
149, 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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