

Converting Colors

$Y_{xy}(36.5690, 0.2578, 0.2352)$

Have a look what the booklet for
Yxy(36.5690, 0.2578, 0.2352)
contains.

Yxy(36.7032, 0.2574, 0.2354)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7032, 0.2574, 0.2354)

Conversions

Conversions Part 1

Format	Color
Hex	9E9CE5
RGB	158, 156, 229
RGB Percent	62%, 61%, 90%
CMY	0.3803, 0.3882, 0.1020
CMYK	0.31, 0.32, 0.00, 0.10
HSL	242°, 58%, 75%
HSV	242°, 32%, 90%
XYZ	40.1334, 36.7032, 79.0818
YIQ	164.9200, -22.2410, 23.1270

Conversions

Conversions Part 2

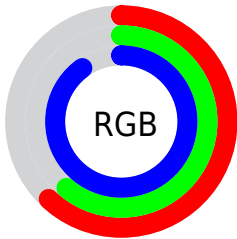
Format	Color
R _Y B	158, 156, 229
Decimal	10394853
CIE Lab	67.05, 17.12, -36.58
CIE LCh	67, 40.389, 295.080
Yxy	36.7032, 0.2574, 0.2354
Android (android.graphics.Color)	4288584933 (0xFF9E9CE5)
YUV	164.9200, 31.5914, -6.0688
Hunter-Lab	60.5832, 12.2270, -34.9856

Details

The Yxy color **36.7032, 0.2574, 0.2354** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.7495, 0.3592, 0.4088**, and the grayscale version is **37.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6093, 0.2862, 0.2812**, and **16.0633, 0.2407, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **27.6736, 0.2365, 0.2004**, and if you desaturate by 10%, it is **47.5929, 0.2769, 0.2682**.

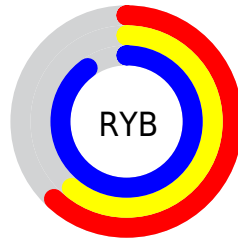
Distribution



Red (62%)

Green (61%)

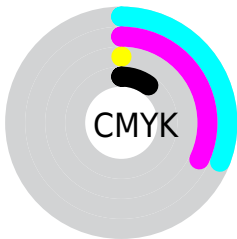
Blue (90%)



Red (62%)

Yellow (61%)

Blue (90%)

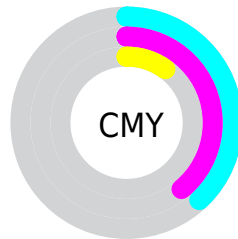


Cyan (31%)

Magenta (32%)

Yellow (0%)

Black (10%)



Cyan (38%)

Magenta (39%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7032, 0.2574, 0.2354 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 36.7032, 0.2574, 0.2354 by changing the saturation by 10% instead.

■ 36.7032, 0.2574,
0.2354

■ 36.7032, 0.2574,
0.2354

■ 332.0238, 0.2860,
0.2811

■ 24.9778, 0.2501,
0.2245

■ 70.1161, 0.2679,
0.2516

■ 16.0605, 0.2408,
0.2109

■ 92.5723, 0.2718,
0.2578

■ 9.5670, 0.2284,
0.1935

■ 119.3743, 0.2751,
0.2631

■ 5.1128, 0.2113,
0.1706

■ 150.9063, 0.2779,
0.2677

■ 2.3136, 0.1867,
0.1398

■ 187.5529, 0.2804,
0.2717

■ 0.7809, 0.1496,
0.0972

■ 229.6984, 0.2825,


■ 0.0000, 0.0370,


0.2752

0.0000


277.7272, 0.2843,
0.2783

 0.0000, 0.0000,
0.0000

 36.7032, 0.2574,
0.2354

 36.7032, 0.2574,
0.2354


 27.6736, 0.2365,
0.2004

 47.5929, 0.2769,
0.2682


 20.3963, 0.2152,
0.1649


 60.4342, 0.2945,
0.2980

 14.7587, 0.1948,
0.1312

 75.3175, 0.3100,
0.3244

 10.6336, 0.1769,
0.1020

 92.3263, 0.3235,
0.3475

 7.8752, 0.1631,
0.0797

 98.4360, 0.3280,
0.3542

■ 6.3086, 0.1543,
0.0660

■ 5.6971, 0.1507,
0.0604

Harmonies

Analogous

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



36.7032, 0.2192, 0.2374



36.7032, 0.2574, 0.2354



36.7032, 0.3141, 0.2535

Triad

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



36.7032, 0.2574, 0.2354



36.7032, 0.4342, 0.3786



36.7032, 0.2483, 0.3736

Complementary

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



36.7032, 0.2574, 0.2354



74.7495, 0.3592, 0.4088

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.



36.7032, 0.3020, 0.4251



36.7032, 0.2574, 0.2354



36.7032, 0.4105, 0.4196

Square

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



36.7032, 0.2574, 0.2354



36.7032, 0.4220, 0.3316



36.7032, 0.3615, 0.4405



36.7032, 0.2139, 0.3110

Rectangle

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



36.7032, 0.2574, 0.2354



36.7032, 0.3562, 0.2747



36.7032, 0.3615, 0.4405



36.7032, 0.2646, 0.3936

Sweetspot

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



36.7046, 0.2574, 0.2354



80.3935, 0.2975, 0.3031



68.0800, 0.2670, 0.3274



16.6639, 0.2952, 0.2991



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.



36.7046, 0.2574, 0.2354



39.2639, 0.2443, 0.2134



40.8628, 0.2860, 0.2425



13.9062, 0.2984, 0.3047



3.2665, 0.1509, 0.0605



0.2482, 0.1534, 0.0619

Inverse Universe

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



45.9741, 0.3181, 0.2519



52.7953, 0.3193, 0.2371



69.5389, 0.3326, 0.4163



14.6079, 0.3142, 0.3065



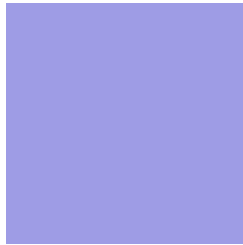
12.5619, 0.3280, 0.1580



0.9305, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 36.7032, 0.2574, 0.2354 looks on a white background.

Color Contrast Check

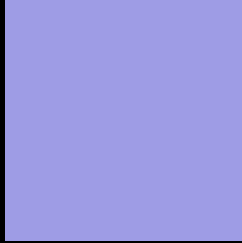
Large Text (above 18pt) WCAG AA × Fail

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 36.7032, 0.2574, 0.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

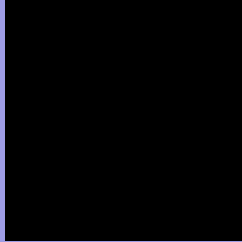
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7032, 0.2574, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 36.7032, 0.2574, 0.2354.



This preview shows how white text looks on a background with the Yxy color 36.7032, 0.2574, 0.2354.

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

36.7032, 0.2574, 0.2354

Protanopia

36.9484, 0.2431, 0.2347

Deuteranopia

36.7539, 0.2466, 0.2402



Tritanopia

36.8230, 0.2861, 0.3100

Trichromacy



Original Color

36.7032, 0.2574, 0.2354

Protanomaly

36.8255, 0.2480, 0.2342

Deuteranomaly

36.6008, 0.2504, 0.2385

Tritanomaly

36.5473, 0.2755, 0.2801

Monochromacy



Original Color

36.7032, 0.2574, 0.2354

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.1529, 0.2909, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7032, 0.2574, 0.2354 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(158, 156, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 229)  
}
```

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(158, 156, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 229) }
```

Border

The CSS property to change the border of an element to Yxy 36.7032, 0.2574, 0.2354 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(158, 156, 229) }
```

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

```
.border{ border-color:rgb(158, 156, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 229);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7032, 0.2574, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 229) }
```

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

```
.background{ background-color: rgb(158,  
156, 229) }
```

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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