

Converting Colors

$Y_{xy}(37.5452, 0.2372, 0.2214)$

Have a look what the booklet for
Yxy(37.5452, 0.2372, 0.2214)
contains.

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Color

Yxy(37.4850, 0.2376, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	8EA0F5
RGB	142, 160, 245
RGB Percent	56%, 63%, 96%
CMY	0.4432, 0.3725, 0.0390
CMYK	0.42, 0.35, 0.00, 0.04
HSL	230°, 84%, 76%
HSV	230°, 42%, 96%
XYZ	40.2096, 37.4850, 91.5379
YIQ	164.3080, -38.0130, 22.6190

Conversions

Conversions Part 2

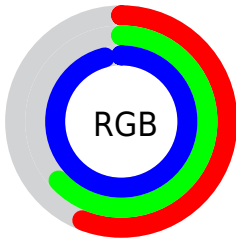
Format	Color
R _Y B	142, 157, 245
Decimal	9347317
CIE Lab	67.64, 14.83, -44.55
CIE LCh	68, 46.959, 288.414
Yxy	37.4850, 0.2376, 0.2215
Android (android.graphics.Color)	4287537397 (0xFF8EA0F5)
YUV	164.3080, 39.7812, -19.5641
Hunter-Lab	61.2250, 10.0865, -45.7873

Details

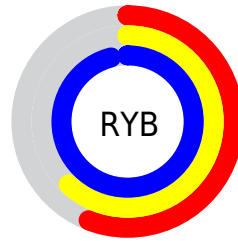
The Yxy color **37.4850, 0.2376, 0.2215** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.3231, 0.3827, 0.4171**, and the grayscale version is **37.0984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9630, 0.2768, 0.2854**, and **16.5466, 0.2170, 0.1953** is the 20% darker color. If you saturate the color by 10%, you get **29.1027, 0.2178, 0.1907**, and if you desaturate by 10%, it is **47.4864, 0.2573, 0.2510**.

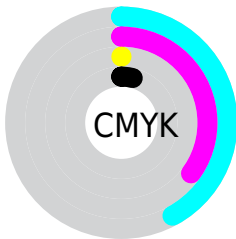
Distribution



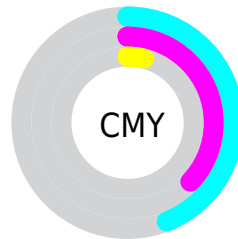
- Red (56%)
- Green (63%)
- Blue (96%)



- Red (56%)
- Yellow (62%)
- Blue (96%)



- Cyan (42%)
- Magenta (35%)
- Yellow (0%)
- Black (4%)



- Cyan (44%)
- Magenta (37%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4850, 0.2376, 0.2215 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 37.4850, 0.2376, 0.2215 by changing the saturation by 10% instead.

■ 37.4850, 0.2376,
0.2215

■ 37.4850, 0.2376,
0.2215

■ 335.4056, 0.2755,
0.2733

■ 25.5832, 0.2283,
0.2094

■ 71.3181, 0.2513,
0.2397

■ 16.5121, 0.2166,
0.1946

■ 94.0182, 0.2565,
0.2467

■ 9.8873, 0.2014,
0.1758

■ 121.0865, 0.2609,
0.2528

■ 5.3243, 0.1812,
0.1518

■ 152.9075, 0.2646,
0.2580

■ 2.4388, 0.1535,
0.1206

■ 189.8655, 0.2679,
0.2625

■ 0.8457, 0.1151,
0.0805

■ 232.3449, 0.2708,

■ 0.0000, 0.0258,

0.2666

0.0000

280.7301, 0.2733,
0.2701

0.0000, 0.0000,
0.0000

37.4850, 0.2376,
0.2215

37.4850, 0.2376,
0.2215

29.1027, 0.2178,
0.1907

47.4864, 0.2573,
0.2510

22.2489, 0.1988,
0.1599

59.1829, 0.2762,
0.2783

16.8300, 0.1819,
0.1308

72.6504, 0.2937,
0.3030

12.7398, 0.1682,
0.1054

87.9590, 0.3096,
0.3248

9.8566, 0.1586,
0.0853

99.3753, 0.3185,
0.3385

■ 8.3123, 0.1538,
0.0737

Harmonies

Analogous

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



37.4850, 0.2006, 0.2285



37.4850, 0.2376, 0.2215



37.4850, 0.2981, 0.2373

Triad

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



37.4850, 0.2376, 0.2215



37.4850, 0.4531, 0.3717



37.4850, 0.2504, 0.3968

Complementary

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



37.4850, 0.2376, 0.2215



76.3231, 0.3827, 0.4171

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.



37.4850, 0.3143, 0.4498



37.4850, 0.2376, 0.2215



37.4850, 0.4332, 0.4218

Square

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



37.4850, 0.2376, 0.2215



37.4850, 0.4301, 0.3190



37.4850, 0.3814, 0.4551



37.4850, 0.2064, 0.3225

Rectangle

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



37.4850, 0.2376, 0.2215



37.4850, 0.3462, 0.2585



37.4850, 0.3814, 0.4551



37.4850, 0.2702, 0.4188

Sweetspot

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



37.4864, 0.2376, 0.2215



78.0187, 0.2920, 0.3007



76.5803, 0.2641, 0.3514



15.9738, 0.2883, 0.2954



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.



37.4864, 0.2376, 0.2215



33.5182, 0.2216, 0.1968



35.0044, 0.2579, 0.2064



16.3951, 0.2979, 0.3089



4.6146, 0.1544, 0.0757



0.5348, 0.1600, 0.0960

Inverse Universe

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



41.2982, 0.4025, 0.3096



38.7637, 0.4298, 0.3064



81.3423, 0.3522, 0.4420



16.5298, 0.3266, 0.3249



10.5652, 0.6139, 0.3156



0.9416, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 37.4850, 0.2376, 0.2215 looks on a white background.

Color Contrast Check

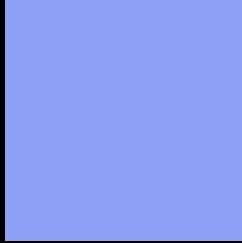
Large Text (above 18pt) WCAG AA × Fail

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 37.4850, 0.2376, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

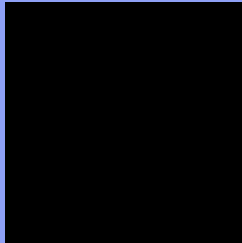
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4850, 0.2376, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 37.4850, 0.2376, 0.2215.



This preview shows how white text looks on a background with the Yxy color 37.4850, 0.2376, 0.2215.

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

37.4850, 0.2376, 0.2215

Protanopia

37.6454, 0.2332, 0.2220

Deuteranopia

37.3932, 0.2309, 0.2244



Tritanopia

37.5622, 0.2655, 0.3081

Trichromacy



Original Color

37.4850, 0.2376, 0.2215

Protanomaly

37.5468, 0.2348, 0.2212

Deuteranomaly

37.4406, 0.2336, 0.2238

Tritanomaly

37.4158, 0.2546, 0.2739

Monochromacy



Original Color

37.4850, 0.2376, 0.2215

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1126, 0.2819, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4850, 0.2376, 0.2215 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(142, 160, 245)` looks like.

```
.text, #text, p{  
    color:rgb(142, 160, 245)  
}
```

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(142, 160, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 160, 245) }
```

Border

The CSS property to change the border of an element to Yxy 37.4850, 0.2376, 0.2215 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(142, 160, 245) }
```

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

```
.border{ border-color:rgb(142, 160, 245) }
```

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

Here you see how a box with a 4 pixel rgb(142, 160, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 160, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 160, 245);  
box-shadow:4px 4px 4px 4px rgb(142, 160,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4850, 0.2376, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 160, 245) }
```

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

```
.background{ background-color: rgb(142,  
160, 245) }
```

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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