

Converting Colors

$Y_{xy}(37.6641, 0.2582, 0.2275)$

Have a look what the booklet for
Yxy(37.6641, 0.2582, 0.2275)
contains.

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Color

Yxy(37.6641, 0.2582, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	A69BED
RGB	166, 155, 237
RGB Percent	65%, 61%, 93%
CMY	0.3487, 0.3923, 0.0705
CMYK	0.30, 0.35, 0.00, 0.07
HSL	248°, 70%, 77%
HSV	248°, 35%, 93%
XYZ	42.7467, 37.6641, 85.1457
YIQ	167.6370, -19.7660, 27.8340

Conversions

Conversions Part 2

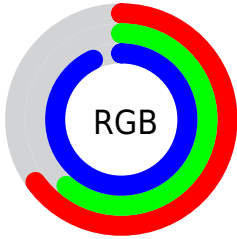
Format	Color
RYB	166, 155, 237
Decimal	10918893
CIELab	67.77, 21.99, -39.82
CIElCh	68, 45.495, 298.911
Yxy	37.6641, 0.2582, 0.2275
Android (android.graphics.Color)	4289108973 (0xFFA69BED)
YUV	167.6370, 34.1960, -1.4356
Hunter-Lab	61.3711, 16.9309, -39.2987

Details

The Yxy color **37.6641, 0.2582, 0.2275** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.0942, 0.3567, 0.4177**, and the grayscale version is **38.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5089, 0.2923, 0.2809**, and **16.6816, 0.2420, 0.2021** is the 20% darker color. If you saturate the color by 10%, you get **28.4950, 0.2388, 0.1932**, and if you desaturate by 10%, it is **48.7371, 0.2762, 0.2602**.

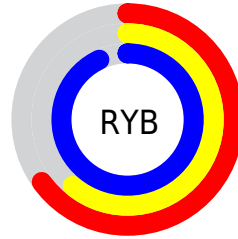
Distribution



Red (65%)

Green (61%)

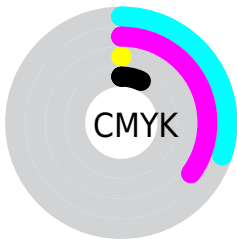
Blue (93%)



Red (65%)

Yellow (61%)

Blue (93%)

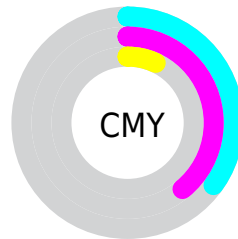


Cyan (30%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (35%)


Magenta (39%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6641, 0.2582, 0.2275 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 37.6641, 0.2582, 0.2275 by changing the saturation by 10% instead.


 37.6641, 0.2582,
0.2275


 37.6641, 0.2582,
0.2275


336.1768, 0.2864,
0.2762

 25.7221, 0.2511,
0.2161


 71.5930, 0.2686,
0.2447

 16.6159, 0.2419,
0.2020


 94.3487, 0.2724,
0.2513

 9.9610, 0.2298,
0.1842


121.4777, 0.2757,
0.2569

 5.3731, 0.2132,
0.1612

153.3645, 0.2784,
0.2618

 2.4678, 0.1895,
0.1307

190.3934, 0.2808,
0.2661

 0.8604, 0.1542,
0.0905


232.9488, 0.2829,


 0.0000, 0.0796,

0.2699

0.0000


281.4152, 0.2848,
0.2732


 0.0000, 0.0000,
0.0000


 37.6641, 0.2582,
0.2275


 37.6641, 0.2582,
0.2275


 28.4950, 0.2388,
0.1932

 48.7371, 0.2762,
0.2602


 21.1177, 0.2188,
0.1589


 61.8088, 0.2925,
0.2904


 15.4153, 0.1995,
0.1269

 76.9729, 0.3068,
0.3175

 11.2547, 0.1820,
0.0996

 94.3159, 0.3192,
0.3416

 8.4827, 0.1679,
0.0790

 98.8951, 0.3232,
0.3463

■ 6.9134, 0.1581,
0.0665

■ 6.4235, 0.1545,
0.0625

Harmonies

Analogous

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



37.6641, 0.2135, 0.2263



37.6641, 0.2582, 0.2275



37.6641, 0.3228, 0.2498

Triad

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



37.6641, 0.2582, 0.2275



37.6641, 0.4464, 0.3888



37.6641, 0.2347, 0.3698

Complementary

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



37.6641, 0.2582, 0.2275



79.0942, 0.3567, 0.4177

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.



37.6641, 0.2916, 0.4321



37.6641, 0.2582, 0.2275



37.6641, 0.4149, 0.4334

Square

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



37.6641, 0.2582, 0.2275



37.6641, 0.4389, 0.3374



37.6641, 0.3577, 0.4544



37.6641, 0.2007, 0.2998

Rectangle

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



37.6641, 0.2582, 0.2275



37.6641, 0.3697, 0.2742



37.6641, 0.3577, 0.4544



37.6641, 0.2516, 0.3933

Sweetspot

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



37.6656, 0.2582, 0.2275



80.8513, 0.2992, 0.3032



67.5139, 0.2621, 0.3159



16.7735, 0.2972, 0.2993



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.



37.6656, 0.2582, 0.2275



36.0916, 0.2436, 0.2017



42.8053, 0.2910, 0.2363



14.6467, 0.3001, 0.3048



3.5387, 0.1553, 0.0629



0.3089, 0.1654, 0.0685

Inverse Universe

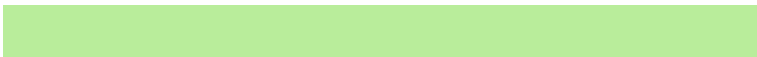
The Inverse Universe completely reimagines the original color for something new.



46.9270, 0.3262, 0.2536



48.7296, 0.3298, 0.2377



73.2619, 0.3275, 0.4268



15.2766, 0.3159, 0.3089



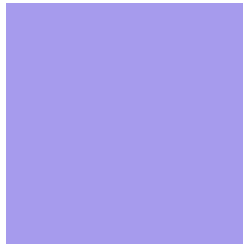
12.2485, 0.3583, 0.1747



0.9715, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 37.6641, 0.2582, 0.2275 looks on a white background.

Color Contrast Check

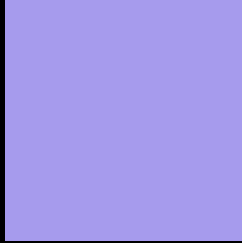
Large Text (above 18pt) WCAG AA × Fail

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 37.6641, 0.2582, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

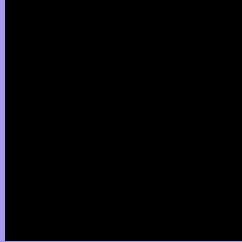
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6641, 0.2582, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 37.6641, 0.2582, 0.2275.



This preview shows how white text looks on a background with the Yxy color 37.6641, 0.2582, 0.2275.

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

37.6641, 0.2582, 0.2275

Protanopia

37.7150, 0.2366, 0.2255

Deuteranopia

37.6815, 0.2417, 0.2351



Tritanopia

37.8027, 0.2905, 0.3104

Trichromacy



Original Color

37.6641, 0.2582, 0.2275

Protanomaly

37.4430, 0.2435, 0.2252

Deuteranomaly

37.5873, 0.2473, 0.2317

Tritanomaly

37.6805, 0.2776, 0.2771

Monochromacy



Original Color

37.6641, 0.2582, 0.2275

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.2601, 0.2913, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6641, 0.2582, 0.2275 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, 155, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 155, 237)  
}
```

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, 155, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 155, 237) }
```

Border

The CSS property to change the border of an element to Yxy 37.6641, 0.2582, 0.2275 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, 155, 237) }
```

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

```
.border{ border-color:rgb(166, 155, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 155, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 155, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 155, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 155,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6641, 0.2582, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 155, 237) }
```

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

```
.background{ background-color: rgb(166,  
155, 237) }
```

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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