

Converting Colors

$Yxy(37.5987, 0.2723, 0.2386)$

Have a look what the booklet for
Yxy(37.5987, 0.2723, 0.2386)
contains.

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Color

Yxy(37.7161, 0.2725, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	AF9AE2
RGB	175, 154, 226
RGB Percent	69%, 60%, 89%
CMY	0.3137, 0.3961, 0.1136
CMYK	0.23, 0.32, 0.00, 0.11
HSL	257°, 55%, 75%
HSV	257°, 32%, 89%
XYZ	42.9667, 37.7161, 76.9932
YIQ	168.4870, -10.5960, 26.8440

Conversions

Conversions Part 2

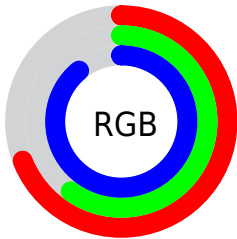
Format	Color
R_{YB}	175, 154, 226
Decimal	11508450
CIE _{Lab}	67.81, 22.48, -33.68
CIE _{LCh}	68, 40.495, 303.727
Yxy	37.7161, 0.2725, 0.2392
Android (android.graphics.Color)	4289698530 (0xFFAF9AE2)
YUV	168.4870, 28.3539, 5.7119
Hunter-Lab	61.4134, 17.4105, -31.3417

Details

The Yxy color **37.7161, 0.2725, 0.2392** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.7293, 0.3447, 0.4128**, and the grayscale version is **39.2728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8099, 0.2978, 0.2817**, and **16.6677, 0.2601, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **29.2016, 0.2565, 0.2069**, and if you desaturate by 10%, it is **47.8582, 0.2870, 0.2700**.

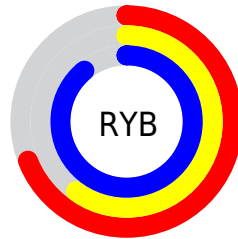
Distribution



Red (69%)

Green (60%)

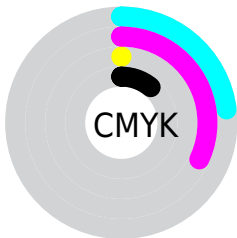
Blue (89%)



Red (69%)

Yellow (60%)

Blue (89%)

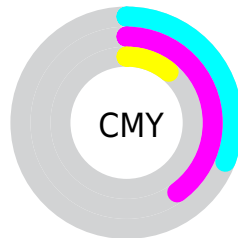


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (11%)



Cyan (31%)


Magenta (40%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7161, 0.2725, 0.2392 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 37.7161, 0.2725, 0.2392 by changing the saturation by 10% instead.


 37.7161, 0.2725,
0.2392


 37.7161, 0.2725,
0.2392


336.4005, 0.2936,
0.2827

 25.7624, 0.2670,
0.2289


 71.6728, 0.2804,
0.2546

 16.6460, 0.2599,
0.2160


 94.4446, 0.2833,
0.2605

 9.9824, 0.2503,
0.1995


121.5912, 0.2857,
0.2656

 5.3873, 0.2369,
0.1778

153.4970, 0.2877,
0.2699

 2.4762, 0.2169,
0.1484

190.5465, 0.2895,
0.2737

 0.8647, 0.1854,
0.1076

233.1240, 0.2911,

 0.0000, 0.1097,

0.2771

0.0000

281.6139, 0.2924,
0.2800

■ 0.0000, 0.0000,
0.0000

■ 37.7161, 0.2725,
0.2392

■ 37.7161, 0.2725,
0.2392

■ 29.2016, 0.2565,
0.2069

■ 47.8582, 0.2870,
0.2700

■ 22.2233, 0.2395,
0.1745

■ 59.7034, 0.2997,
0.2985

■ 16.6879, 0.2219,
0.1434

■ 73.3280, 0.3108,
0.3245

■ 12.4895, 0.2049,
0.1159

■ 88.8022, 0.3203,
0.3477

■ 9.5074, 0.1895,
0.0936

■ 98.2730, 0.3297,
0.3571

■ 7.5973, 0.1765,
0.0781

■ 6.6485, 0.1681,
0.0700

Harmonies

Analogous

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



37.7161, 0.2284, 0.2351



37.7161, 0.2725, 0.2392



37.7161, 0.3322, 0.2622

Triad

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



37.7161, 0.2725, 0.2392



37.7161, 0.4300, 0.3912



37.7161, 0.2365, 0.3552

Complementary

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



37.7161, 0.2725, 0.2392



69.7293, 0.3447, 0.4128

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.



37.7161, 0.2854, 0.4126



37.7161, 0.2725, 0.2392



37.7161, 0.3979, 0.4279

Square

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



37.7161, 0.2725, 0.2392



37.7161, 0.4286, 0.3451



37.7161, 0.3445, 0.4396



37.7161, 0.2091, 0.2951

Rectangle

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



37.7161, 0.2725, 0.2392



37.7161, 0.3732, 0.2860



37.7161, 0.3445, 0.4396



37.7161, 0.2508, 0.3761

Sweetspot

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



37.7176, 0.2725, 0.2392



81.5293, 0.3019, 0.3034



56.3254, 0.2642, 0.3034



16.9364, 0.3002, 0.2996



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.



37.7176, 0.2725, 0.2392



42.1919, 0.2625, 0.2187



42.3677, 0.3027, 0.2467



13.4360, 0.3026, 0.3051



3.8445, 0.1695, 0.0707



0.3115, 0.1859, 0.0798

Inverse Universe

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



43.6940, 0.3351, 0.2714



51.2796, 0.3409, 0.2597



65.2482, 0.3189, 0.4201



13.8639, 0.3182, 0.3125



10.6957, 0.4111, 0.2038



0.7567, 0.3939, 0.1944

Previews

White Background



This preview shows how the Yxy color 37.7161, 0.2725, 0.2392 looks on a white background.

Color Contrast Check

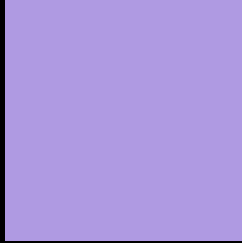
Large Text (above 18pt) WCAG AA × Fail

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 37.7161, 0.2725, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

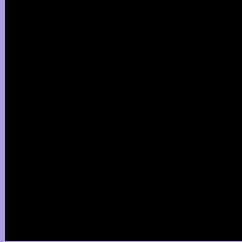
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7161, 0.2725, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 37.7161, 0.2725, 0.2392.



This preview shows how white text looks on a background with the Yxy color 37.7161, 0.2725, 0.2392.

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

37.7161, 0.2725, 0.2392

Protanopia

38.0069, 0.2462, 0.2380

Deuteranopia

37.8721, 0.2543, 0.2485



Tritanopia

37.8322, 0.3035, 0.3108

Trichromacy



Original Color

37.7161, 0.2725, 0.2392

Protanomaly

37.8233, 0.2551, 0.2390

Deuteranomaly

37.8470, 0.2606, 0.2449

Tritanomaly

37.5168, 0.2913, 0.2818

Monochromacy



Original Color

37.7161, 0.2725, 0.2392

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.5264, 0.2980, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7161, 0.2725, 0.2392 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(175, 154, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 154, 226)  
}
```

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(175, 154, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 154, 226) }
```

Border

The CSS property to change the border of an element to Yxy 37.7161, 0.2725, 0.2392 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(175, 154, 226) }
```

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

```
.border{ border-color:rgb(175, 154, 226) }
```

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

Here you see how a box with a 4 pixel rgb(175, 154, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 154, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 154, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 154,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7161, 0.2725, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 154, 226) }
```

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

```
.background{ background-color: rgb(175,  
154, 226) }
```

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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