

Converting Colors

$Yxy(36.5241, 0.2774, 0.2450)$

Have a look what the booklet for
Yxy(36.5241, 0.2774, 0.2450)
contains.

Yxy(36.5171, 0.2773, 0.2450)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5171, 0.2773, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	AE98DA
RGB	174, 152, 218
RGB Percent	68%, 60%, 85%
CMY	0.3178, 0.4038, 0.1451
CMYK	0.20, 0.30, 0.00, 0.15
HSL	260°, 47%, 73%
HSV	260°, 30%, 85%
XYZ	41.3314, 36.5171, 71.2009
YIQ	166.1020, -8.0740, 25.1900

Conversions

Conversions Part 2

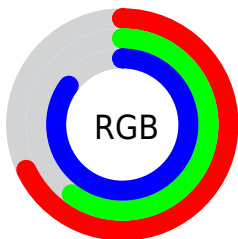
Format	Color
RYB	174, 152, 218
Decimal	11442394
CIELab	66.91, 21.42, -30.64
CIElCh	67, 37.387, 304.958
Yxy	36.5171, 0.2773, 0.2450
Android (android.graphics.Color)	4289632474 (0xFFAE98DA)
YUV	166.1020, 25.5857, 6.9265
Hunter-Lab	60.4294, 16.3358, -27.5579

Details

The Yxy color $36.5171, 0.2773, 0.2450$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $64.1562, 0.3410, 0.4088$, and the grayscale version is $38.0609, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.1856, 0.2971, 0.2785$, and $15.9448, 0.2652, 0.2224$ is the 20% darker color. If you saturate the color by 10%, you get $28.4981, 0.2625, 0.2134$, and if you desaturate by 10%, it is $46.0207, 0.2906, 0.2751$.

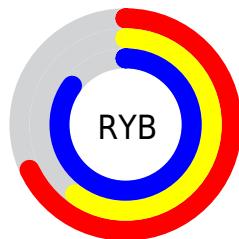
Distribution



Red (68%)

Green (60%)

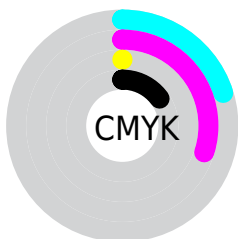
Blue (85%)



Red (68%)

Yellow (60%)

Blue (85%)

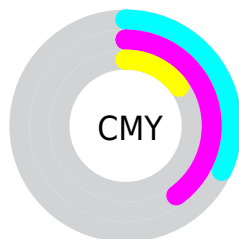


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (15%)



Cyan (32%)


Magenta (40%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5171, 0.2773, 0.2450 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 36.5171, 0.2773, 0.2450 by changing the saturation by 10% instead.


 36.5171, 0.2773,
0.2450


 36.5171, 0.2773,
0.2450


331.2151, 0.2961,
0.2861

 24.8338, 0.2724,
0.2351


 69.8295, 0.2843,
0.2597

 15.9533, 0.2659,
0.2227


 92.2273, 0.2869,
0.2653

 9.4911, 0.2571,
0.2066


118.9655, 0.2891,
0.2700

 5.0629, 0.2445,
0.1852

150.4284, 0.2909,
0.2741

 2.2842, 0.2255,
0.1556

187.0004, 0.2925,
0.2777

 0.7653, 0.1946,
0.1128


229.0660, 0.2938,


 0.0000, 0.0895,


0.2809


0.0000


277.0094, 0.2950,
0.2836


 0.0000, 0.0000,
0.0000

 36.5171, 0.2773,
0.2450


 36.5171, 0.2773,
0.2450


 28.4981, 0.2625,
0.2134


 46.0207, 0.2906,
0.2751


 21.8822, 0.2464,
0.1815


 57.0758, 0.3023,
0.3030


 16.5865, 0.2297,
0.1507

 69.7506, 0.3125,
0.3284

 12.5176, 0.2132,
0.1229

 84.1077, 0.3211,
0.3511

 9.5692, 0.1977,
0.1000

 96.3050, 0.3291,
0.3657

■ 7.6156, 0.1842,
0.0834

■ 97.8421, 0.3345,
0.3651

■ 6.4584, 0.1734,
0.0729

Harmonies

Analogous

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



36.5171, 0.2349, 0.2405



36.5171, 0.2773, 0.2450



36.5171, 0.3335, 0.2674

Triad

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



36.5171, 0.2773, 0.2450



36.5171, 0.4218, 0.3897



36.5171, 0.2399, 0.3512

Complementary

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



36.5171, 0.2773, 0.2450



64.1562, 0.3410, 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.



36.5171, 0.2853, 0.4047



36.5171, 0.2773, 0.2450



36.5171, 0.3911, 0.4228

Square

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



36.5171, 0.2773, 0.2450



36.5171, 0.4216, 0.3466



36.5171, 0.3407, 0.4315



36.5171, 0.2148, 0.2957

Rectangle

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



36.5171, 0.2773, 0.2450



36.5171, 0.3714, 0.2902



36.5171, 0.3407, 0.4315



36.5171, 0.2532, 0.3706

Sweetspot

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



36.5186, 0.2773, 0.2450



83.4307, 0.3036, 0.3061



51.7208, 0.2663, 0.3021



17.3231, 0.3020, 0.3022



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.



36.5186, 0.2773, 0.2450



44.9180, 0.2685, 0.2260



40.6331, 0.3053, 0.2516



12.8264, 0.3032, 0.3052



3.9218, 0.1748, 0.0737



0.3002, 0.1930, 0.0837

Inverse Universe

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



41.3570, 0.3362, 0.2774



52.9333, 0.3423, 0.2669



60.3166, 0.3171, 0.4151



13.1974, 0.3188, 0.3135



10.1850, 0.4264, 0.2123



0.6756, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 36.5171, 0.2773, 0.2450 looks on a white background.

Color Contrast Check

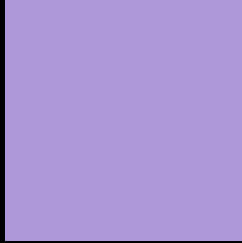
Large Text (above 18pt) WCAG AA × Fail

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 36.5171, 0.2773, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

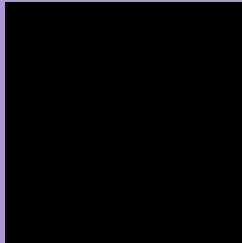
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5171, 0.2773, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 36.5171, 0.2773, 0.2450.



This preview shows how white text looks on a background with the Yxy color 36.5171, 0.2773, 0.2450.

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

36.5171, 0.2773, 0.2450

Protanopia

36.8553, 0.2505, 0.2440

Deuteranopia

36.4890, 0.2596, 0.2536



Tritanopia

36.6139, 0.3069, 0.3121

Trichromacy



Original Color

36.5171, 0.2773, 0.2450

Protanomaly

36.6962, 0.2599, 0.2450

Deuteranomaly

36.3928, 0.2655, 0.2498

Tritanomaly

36.5629, 0.2962, 0.2867

Monochromacy



Original Color

36.5171, 0.2773, 0.2450

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4275, 0.2995, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5171, 0.2773, 0.2450 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(174, 152, 218)` looks like.

```
.text, #text, p{  
    color:rgb(174, 152, 218)  
}
```

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(174, 152, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 152, 218) }
```

Border

The CSS property to change the border of an element to Yxy 36.5171, 0.2773, 0.2450 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(174, 152, 218) }
```

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

```
.border{ border-color:rgb(174, 152, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 152, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 152, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 152, 218); box-shadow:4px 4px 4px 4px rgb(174, 152, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5171, 0.2773, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 152, 218) }
```

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

```
.background{ background-color: rgb(174,  
152, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor