

Converting Colors

$Y_{xy}(41.7396, 0.3015, 0.3107)$

Have a look what the booklet for
Yxy(41.7396, 0.3015, 0.3107)
contains.

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Color

Yxy(41.7785, 0.3021, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	ACACB9
RGB	172, 172, 185
RGB Percent	67%, 67%, 73%
CMY	0.3256, 0.3254, 0.2745
CMYK	0.07, 0.07, 0.00, 0.27
HSL	240°, 9%, 70%
HSV	240°, 7%, 73%
XYZ	40.5178, 41.7785, 51.8241
YIQ	173.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

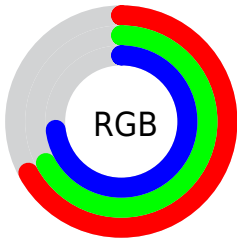
Format	Color
R _Y B	172, 172, 185
Decimal	11316409
CIE Lab	70.72, 2.52, -6.64
CIE LCh	71, 7.103, 290.781
Yxy	41.7785, 0.3021, 0.3115
Android (android.graphics.Color)	4289506489 (0xFFACACB9)
YUV	173.4820, 5.6784, -1.2997
Hunter-Lab	64.6363, -1.2194, -2.2922

Details

The Yxy color **41.7785, 0.3021, 0.3115** is a light color, and the websafe version is hex **999999**. A complement of this color would be **47.9708, 0.3230, 0.3459**, and the grayscale version is **42.0191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6199, 0.3039, 0.3144**, and **19.0920, 0.2992, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **33.2902, 0.2853, 0.2838**, and if you desaturate by 10%, it is **51.5361, 0.3169, 0.3359**.

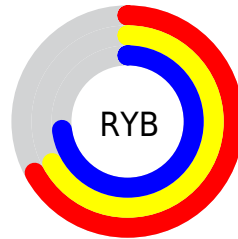
Distribution



Red (67%)

Green (67%)

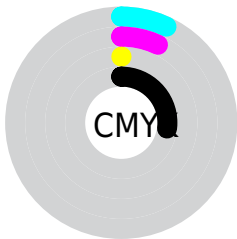
Blue (73%)



Red (67%)

Yellow (67%)

Blue (73%)

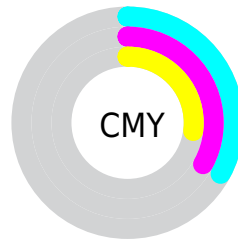


Cyan (7%)

Magenta (7%)

Yellow (0%)

Black (27%)



Cyan (33%)

Magenta (33%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7785, 0.3021, 0.3115 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 41.7785, 0.3021, 0.3115 by changing the saturation by 10% instead.

■ 41.7785, 0.3021,
0.3115

■ 41.7785, 0.3021,
0.3115

353.5639, 0.3075,
0.3204

■ 28.9279, 0.3007,
0.3093

■ 77.8643, 0.3041,
0.3147

■ 19.0263, 0.2989,
0.3064

101.8682, 0.3048,
0.3160

■ 11.6893, 0.2965,
0.3025

130.3588, 0.3055,
0.3170

■ 6.5325, 0.2930,
0.2970

163.7203, 0.3060,
0.3178

■ 3.1715, 0.2876,
0.2886

202.3372, 0.3065,
0.3186

■ 1.2219, 0.2782,
0.2743

246.5938, 0.3069,

■ 0.0795, 0.1786,

0.3193

0.1036

296.8746, 0.3072,
0.3198

0.0000, 0.0000,
0.0000

41.7785, 0.3021,
0.3115

41.7785, 0.3021,
0.3115

33.2902, 0.2853,
0.2838

51.5361, 0.3169,
0.3359

26.0141, 0.2665,
0.2528

62.6066, 0.3297,
0.3570

19.8964, 0.2461,
0.2191

75.0380, 0.3408,
0.3752

14.8775, 0.2248,
0.1840

88.8743, 0.3503,
0.3909

10.8922, 0.2038,
0.1492

96.2826, 0.3544,
0.3979

■ 7.8686, 0.1846,
0.1174

■ 5.7256, 0.1688,
0.0912

■ 4.3688, 0.1576,
0.0727

■ 3.6685, 0.1515,
0.0625

Harmonies

Analogous

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



41.7785, 0.2951, 0.3134



41.7785, 0.3021, 0.3115



41.7785, 0.3120, 0.3142

Triad

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



41.7785, 0.3021, 0.3115



41.7785, 0.3330, 0.3381



41.7785, 0.3032, 0.3376

Complementary

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



41.7785, 0.3021, 0.3115



47.9708, 0.3230, 0.3459

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.



41.7785, 0.3132, 0.3445



41.7785, 0.3021, 0.3115



41.7785, 0.3305, 0.3446

Square

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



41.7785, 0.3021, 0.3115



41.7785, 0.3300, 0.3293



41.7785, 0.3232, 0.3470



41.7785, 0.2957, 0.3284

Rectangle

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



41.7785, 0.3021, 0.3115



41.7785, 0.3190, 0.3181



41.7785, 0.3232, 0.3470



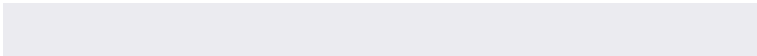
41.7785, 0.3063, 0.3403

Sweetspot

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



41.7803, 0.3021, 0.3115



83.2907, 0.3098, 0.3241



46.9570, 0.3021, 0.3293



17.9959, 0.3099, 0.3244



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7803, 0.3021, 0.3115



73.0630, 0.3004, 0.3086



42.4944, 0.3076, 0.3118



8.7237, 0.2984, 0.3054



2.3952, 0.1501, 0.0602



0.0859, 0.1503, 0.0612

Inverse Universe

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



42.7879, 0.3245, 0.3290



75.1329, 0.3265, 0.3290



47.2216, 0.3176, 0.3462



9.0126, 0.3287, 0.3290



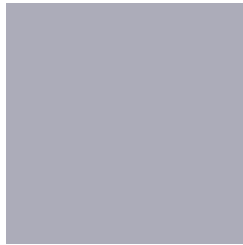
7.0241, 0.6397, 0.3298



0.2478, 0.6381, 0.3289

Previews

White Background



This preview shows how the Yxy color 41.7785, 0.3021, 0.3115 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 41.7785, 0.3021, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

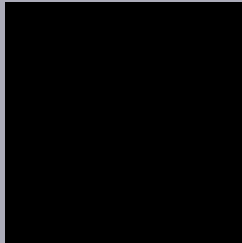
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

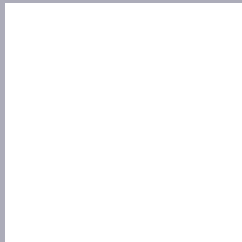
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7785, 0.3021, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 41.7785, 0.3021, 0.3115.

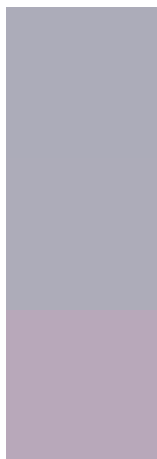


This preview shows how white text looks on a background with the Yxy color 41.7785, 0.3021, 0.3115.

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

41.7785, 0.3021, 0.3115

Protanopia

41.8921, 0.3030, 0.3115

Deuteranopia

41.7408, 0.3120, 0.3055



Tritanopia

41.8209, 0.3013, 0.3102

Trichromacy



Original Color

41.7785, 0.3021, 0.3115

Protanomaly

41.8921, 0.3030, 0.3115

Deuteranomaly

41.6244, 0.3084, 0.3066

Tritanomaly

41.8209, 0.3013, 0.3102

Monochromacy



Original Color

41.7785, 0.3021, 0.3115

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.9457, 0.3094, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7785, 0.3021, 0.3115 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(172, 172, 185)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 185)  
}
```

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(172, 172, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 185) }
```

Border

The CSS property to change the border of an element to Yxy 41.7785, 0.3021, 0.3115 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(172, 172, 185) }
```

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

```
.border{ border-color:rgb(172, 172, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 185);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7785, 0.3021, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 185) }
```

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

```
.background{ background-color: rgb(172,  
172, 185) }
```

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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