

Converting Colors

$Y_{xy}(41.7783, 0.2991, 0.3094)$

Have a look what the booklet for
Yxy(41.7783, 0.2991, 0.3094)
contains.

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Color

Yxy(41.6390, 0.2988, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	AAACBB
RGB	170, 172, 187
RGB Percent	67%, 67%, 73%
CMY	0.3333, 0.3255, 0.2666
CMYK	0.09, 0.08, 0.00, 0.27
HSL	233°, 11%, 70%
HSV	233°, 9%, 73%
XYZ	40.3036, 41.6390, 52.9424
YIQ	173.1120, -6.0070, 4.2410

Conversions

Conversions Part 2

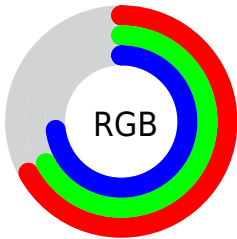
Format	Color
RYB	170, 172, 187
Decimal	11185339
CIELab	70.62, 2.27, -7.92
CIELCh	71, 8.242, 286.005
Yxy	41.6390, 0.2988, 0.3087
Android (android.graphics.Color)	4289375419 (0xFFAAACBB)
YUV	173.1120, 6.8468, -2.7292
Hunter-Lab	64.5283, -1.4354, -3.4748

Details

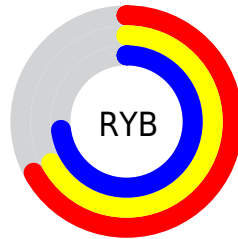
The Yxy color $41.6390, 0.2988, 0.3087$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $48.1866, 0.3263, 0.3485$, and the grayscale version is $41.8182, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.4168, 0.3013, 0.3123$, and $19.0057, 0.2947, 0.3029$ is the 20% darker color. If you saturate the color by 10%, you get $33.8006, 0.2819, 0.2836$, and if you desaturate by 10%, it is $50.5591, 0.3140, 0.3309$.

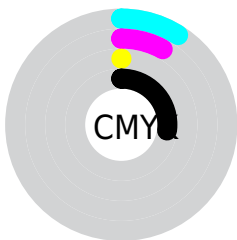
Distribution



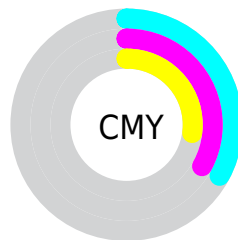
- Red (67%)
- Green (67%)
- Blue (73%)



- Red (67%)
- Yellow (67%)
- Blue (73%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6390, 0.2988, 0.3087 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 41.6390, 0.2988, 0.3087 by changing the saturation by 10% instead.

■ 41.6390, 0.2988,
0.3087

■ 41.6390, 0.2988,
0.3087

352.9843, 0.3059,
0.3190

■ 28.8187, 0.2970,
0.3061

■ 77.6530, 0.3014,
0.3125

■ 18.9437, 0.2946,
0.3027

101.6155, 0.3024,
0.3139

■ 11.6296, 0.2914,
0.2982

130.0608, 0.3032,
0.3150

■ 6.4920, 0.2869,
0.2918

163.3734, 0.3039,
0.3161

■ 3.1465, 0.2799,
0.2821

201.9377, 0.3045,
0.3169

■ 1.2087, 0.2678,
0.2657

246.1380, 0.3050,

■ 0.0688, 0.1477,

0.3177

0.0840

296.3587, 0.3055,
0.3184

0.0000, 0.0000,
0.0000

41.6390, 0.2988,
0.3087

41.6390, 0.2988,
0.3087

33.8006, 0.2819,
0.2836

50.5591, 0.3140,
0.3309

26.9975, 0.2634,
0.2557

60.5943, 0.3275,
0.3503

21.1879, 0.2437,
0.2254

71.7834, 0.3394,
0.3671

16.3250, 0.2235,
0.1935

84.1613, 0.3499,
0.3816

12.3583, 0.2038,
0.1614

96.1090, 0.3533,
0.3955

■ 9.2326, 0.1857,
0.1311

■ 96.3691, 0.3532,
0.3959

■ 6.8863, 0.1706,
0.1045

■ 5.2493, 0.1596,
0.0836

■ 4.2260, 0.1529,
0.0694

Harmonies

Analogous

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



41.6390, 0.2915, 0.3117



41.6390, 0.2988, 0.3087



41.6390, 0.3099, 0.3110

Triad

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



41.6390, 0.2988, 0.3087



41.6390, 0.3362, 0.3379



41.6390, 0.3033, 0.3405

Complementary

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



41.6390, 0.2988, 0.3087



48.1866, 0.3263, 0.3485

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.



41.6390, 0.3152, 0.3479



41.6390, 0.2988, 0.3087



41.6390, 0.3343, 0.3462

Square

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



41.6390, 0.2988, 0.3087



41.6390, 0.3317, 0.3276



41.6390, 0.3266, 0.3499



41.6390, 0.2941, 0.3300

Rectangle

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



41.6390, 0.2988, 0.3087



41.6390, 0.3180, 0.3152



41.6390, 0.3266, 0.3499



41.6390, 0.3071, 0.3435

Sweetspot

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



41.6408, 0.2988, 0.3087



83.9788, 0.3082, 0.3225



47.5930, 0.3006, 0.3320



18.2067, 0.3070, 0.3207



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.6408, 0.2988, 0.3087



71.4785, 0.2954, 0.3037



41.6020, 0.3042, 0.3064



9.4000, 0.2984, 0.3081



2.9199, 0.1527, 0.0696



0.1744, 0.1611, 0.1001

Inverse Universe

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



42.3005, 0.3266, 0.3264



72.9293, 0.3302, 0.3258



48.2540, 0.3207, 0.3514



9.5540, 0.3270, 0.3263



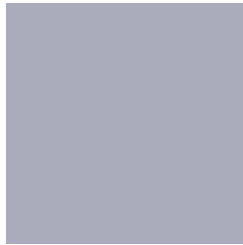
7.3245, 0.6239, 0.3211



0.2930, 0.5758, 0.2945

Previews

White Background



This preview shows how the Yxy color 41.6390, 0.2988, 0.3087 looks on a white background.

Color Contrast Check

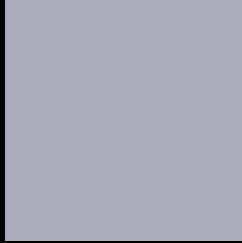
Large Text (above 18pt) WCAG AA × Fail

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 41.6390, 0.2988, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

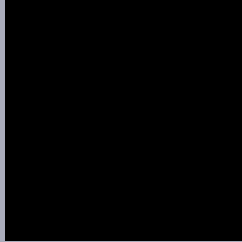
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

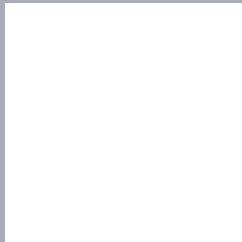
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6390, 0.2988, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 41.6390, 0.2988, 0.3087.

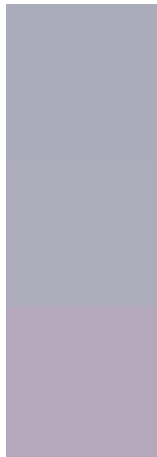


This preview shows how white text looks on a background with the Yxy color 41.6390, 0.2988, 0.3087.

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

41.6390, 0.2988, 0.3087

Protanopia

41.8636, 0.3005, 0.3089

Deuteranopia

41.5812, 0.3086, 0.3028



Tritanopia

41.5963, 0.2996, 0.3101

Trichromacy



Original Color

41.6390, 0.2988, 0.3087

Protanomaly

41.7508, 0.2997, 0.3088

Deuteranomaly

41.4718, 0.3050, 0.3039

Tritanomaly

41.5963, 0.2996, 0.3101

Monochromacy



Original Color

41.6390, 0.2988, 0.3087

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8721, 0.3077, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6390, 0.2988, 0.3087 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(170, 172, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 187)  
}
```

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(170, 172, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 187) }
```

Border

The CSS property to change the border of an element to Yxy 41.6390, 0.2988, 0.3087 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(170, 172, 187) }
```

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

```
.border{ border-color:rgb(170, 172, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6390, 0.2988, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 187) }
```

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

```
.background{ background-color: rgb(170,  
172, 187) }
```

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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