

Converting Colors

$Y_{xy}(42.8741, 0.3033, 0.3276)$

Have a look what the booklet for
Yxy(42.8741, 0.3033, 0.3276)
contains.

Yxy(42.8741, 0.3033, 0.3276)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8741, 0.3033, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	A7B1B2
RGB	167, 177, 178
RGB Percent	65%, 69%, 70%
CMY	0.3451, 0.3059, 0.3019
CMYK	0.06, 0.01, 0.00, 0.30
HSL	185°, 7%, 68%
HSV	185°, 6%, 70%
XYZ	39.6939, 42.8741, 48.3053
YIQ	174.1240, -6.2810, -1.8090

Conversions

Conversions Part 2

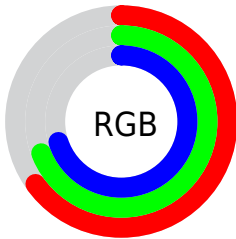
Format	Color
RYB	167, 172, 178
Decimal	10990002
CIELab	71.47, -3.29, -1.73
CIELCh	71, 3.714, 207.723
Yxy	42.8741, 0.3033, 0.3276
Android (android.graphics.Color)	4289180082 (0xFFA7B1B2)
YUV	174.1240, 1.9109, -6.2477
Hunter-Lab	65.4783, -6.3778, 2.0948

Details

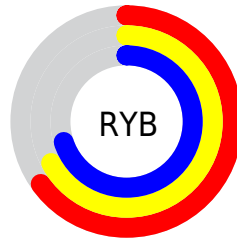
The Yxy color $42.8741, 0.3033, 0.3276$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $40.2596, 0.3228, 0.3304$, and the grayscale version is $42.3875, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.7479, 0.3048, 0.3279$, and $19.5408, 0.3009, 0.3271$ is the 20% darker color. If you saturate the color by 10%, you get $40.4333, 0.2885, 0.3252$, and if you desaturate by 10%, it is $45.5929, 0.3186, 0.3298$.

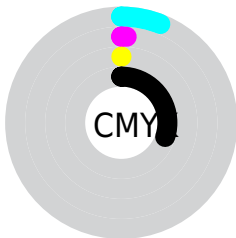
Distribution



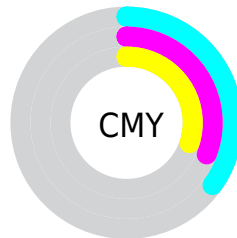
- Red (65%)
- Green (69%)
- Blue (70%)



- Red (65%)
- Yellow (67%)
- Blue (70%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)



- Cyan (35%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8741, 0.3033, 0.3276 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 42.8741, 0.3033, 0.3276 by changing the saturation by 10% instead.

■ 42.8741, 0.3033,
0.3276

■ 42.8741, 0.3033,
0.3276

■ 358.0938, 0.3081,
0.3283

■ 29.7863, 0.3021,
0.3274

■ 79.5208, 0.3050,
0.3279

■ 19.6765, 0.3005,
0.3272

■ 103.8486, 0.3057,
0.3280

■ 12.1601, 0.2984,
0.3268

■ 132.6918, 0.3062,
0.3281

■ 6.8528, 0.2954,
0.3263

■ 166.4349, 0.3067,
0.3281

■ 3.3702, 0.2909,
0.3255

■ 205.4623, 0.3071,
0.3282

■ 1.3279, 0.2831,
0.3241

■ 250.1583, 0.3075,

■ 0.1627, 0.1390,

0.3282

0.3041

300.9073, 0.3078,
0.3283

0.0000, 0.0000,
0.0000

42.8741, 0.3033,
0.3276

42.8741, 0.3033,
0.3276

40.4333, 0.2885,
0.3252

45.5929, 0.3186,
0.3298

38.2543, 0.2745,
0.3226

48.5946, 0.3341,
0.3318

36.3273, 0.2615,
0.3198

51.8907, 0.3496,
0.3336

34.6398, 0.2498,
0.3169

55.4903, 0.3648,
0.3352

33.1782, 0.2398,
0.3138

59.2125, 0.3789,
0.3366

■ 31.9275, 0.2315,
0.3107

■ 59.8938, 0.3784,
0.3383

■ 30.8708, 0.2251,
0.3076

■ 60.5829, 0.3779,
0.3400

■ 29.9887, 0.2205,
0.3045

■ 61.2797, 0.3774,
0.3417

■ 29.2552, 0.2177,
0.3015

■ 61.9843, 0.3769,
0.3434

Harmonies

Analogous

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



42.8741, 0.3067, 0.3324



42.8741, 0.3033, 0.3276



42.8741, 0.3024, 0.3232

Triad

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



42.8741, 0.3033, 0.3276



42.8741, 0.3136, 0.3219



42.8741, 0.3213, 0.3376

Complementary

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



42.8741, 0.3033, 0.3276



40.2596, 0.3228, 0.3304

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.



42.8741, 0.3232, 0.3347



42.8741, 0.3033, 0.3276



42.8741, 0.3187, 0.3256

Square

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



42.8741, 0.3033, 0.3276



42.8741, 0.3083, 0.3200



42.8741, 0.3222, 0.3303



42.8741, 0.3171, 0.3382

Rectangle

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



42.8741, 0.3033, 0.3276



42.8741, 0.3033, 0.3211



42.8741, 0.3222, 0.3303



42.8741, 0.3222, 0.3369

Sweetspot

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



42.8759, 0.3033, 0.3276



79.7306, 0.3096, 0.3286



42.8821, 0.3113, 0.3430



17.6759, 0.3098, 0.3286



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.8759, 0.3033, 0.3276



77.3119, 0.3019, 0.3274



40.7764, 0.3034, 0.3201



9.6028, 0.3014, 0.3273



20.7919, 0.2169, 0.3007



0.6924, 0.2192, 0.3092

Inverse Universe

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



40.2761, 0.3143, 0.3155



71.9223, 0.3145, 0.3135



42.3034, 0.3222, 0.3377



8.9020, 0.3146, 0.3127



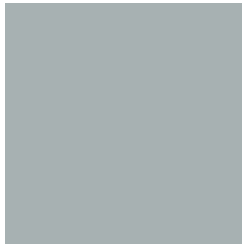
8.6391, 0.3448, 0.1673



0.2757, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 42.8741, 0.3033, 0.3276 looks on a white background.

Color Contrast Check

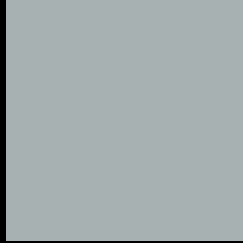
Large Text (above 18pt) WCAG AA × Fail

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 42.8741, 0.3033, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

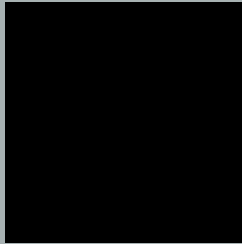
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

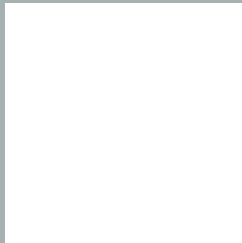
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8741, 0.3033, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 42.8741, 0.3033, 0.3276.



This preview shows how white text looks on a background with the Yxy color 42.8741, 0.3033, 0.3276.

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

42.8741, 0.3033, 0.3276

Protanopia

42.7538, 0.3137, 0.3263

Deuteranopia

42.6184, 0.3225, 0.3148



Tritanopia

42.7691, 0.2964, 0.3102

Trichromacy



Original Color

42.8741, 0.3033, 0.3276

Protanomaly

42.7185, 0.3093, 0.3263

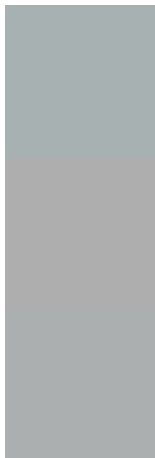
Deuteranomaly

42.7048, 0.3158, 0.3198

Tritanomaly

42.8783, 0.2987, 0.3168

Monochromacy



Original Color

42.8741, 0.3033, 0.3276

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.4130, 0.3092, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8741, 0.3033, 0.3276 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(167, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(167, 177, 178)  
}
```

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(167, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 177, 178) }
```

Border

The CSS property to change the border of an element to Yxy 42.8741, 0.3033, 0.3276 is called "border". The border property can be set on classes, ids or directly on the HTML element.

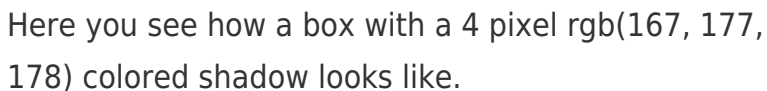
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 177, 178) }
```

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

```
.border{ border-color:rgb(167, 177, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 177, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 177, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 177, 178); box-shadow:4px 4px 4px 4px rgb(167, 177, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8741, 0.3033, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 177, 178) }
```

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

```
.background{ background-color: rgb(167,  
177, 178) }
```

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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