

Converting Colors

$Y_{xy}(42.2100, 0.2987, 0.3277)$

Have a look what the booklet for
Yxy(42.2100, 0.2987, 0.3277)
contains.

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Color

Yxy(42.2357, 0.2983, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	A1B1B2
RGB	161, 177, 178
RGB Percent	63%, 69%, 70%
CMY	0.3685, 0.3059, 0.3021
CMYK	0.10, 0.01, 0.00, 0.30
HSL	183°, 10%, 66%
HSV	183°, 10%, 70%
XYZ	38.4582, 42.2357, 48.2307
YIQ	172.3300, -9.8570, -3.0810

Conversions

Conversions Part 2

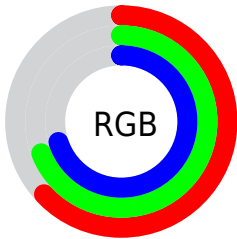
Format	Color
RYB	161, 169, 178
Decimal	10596786
CIELab	71.03, -5.33, -2.40
CIELCh	71, 5.842, 204.269
Yxy	42.2357, 0.2983, 0.3276
Android (android.graphics.Color)	4288786866 (0xFFA1B1B2)
YUV	172.3300, 2.7953, -9.9364
Hunter-Lab	64.9890, -8.1007, 1.4910

Details

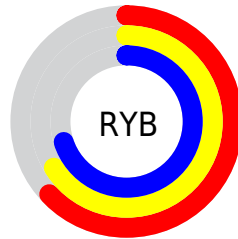
The Yxy color $42.2357, 0.2983, 0.3276$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $37.8792, 0.3289, 0.3304$, and the grayscale version is $41.4226, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8173, 0.3008, 0.3279$, and $19.1472, 0.2940, 0.3270$ is the 20% darker color. If you saturate the color by 10%, you get $40.1144, 0.2838, 0.3260$, and if you desaturate by 10%, it is $44.6268, 0.3135, 0.3291$.

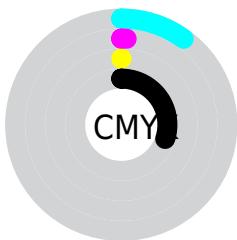
Distribution



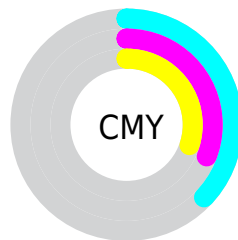
- Red (63%)
- Green (69%)
- Blue (70%)



- Red (63%)
- Yellow (66%)
- Blue (70%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)



- Cyan (37%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2357, 0.2983, 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 42.2357, 0.2983, 0.3276 by changing the saturation by 10% instead.

 42.2357, 0.2983,
0.3276

 42.2357, 0.2983,
0.3276


355.4591, 0.3056,
0.3284

 29.2859, 0.2964,
0.3274


 78.5562, 0.3010,
0.3279

 19.2972, 0.2940,
0.3271


 102.6957, 0.3020,
0.3280

 11.8852, 0.2908,
0.3267


131.3339, 0.3028,
0.3281

 6.6656, 0.2862,
0.3262

164.8552, 0.3035,
0.3282

 3.2538, 0.2792,
0.3252

203.6440, 0.3042,
0.3282

 1.2657, 0.2671,
0.3234

248.0846, 0.3047,

 0.1144, 0.0000,

0.3283

0.2812

298.5615, 0.3052,
0.3283

0.0000, 0.0000,
0.0000

42.2357, 0.2983,
0.3276

42.2357, 0.2983,
0.3276

40.1144, 0.2838,
0.3260

44.6268, 0.3135,
0.3291

38.2466, 0.2703,
0.3243

47.2927, 0.3290,
0.3304

36.6220, 0.2580,
0.3225

50.2452, 0.3447,
0.3316

35.2280, 0.2472,
0.3207

53.4935, 0.3602,
0.3327

34.0505, 0.2381,
0.3187

57.0466, 0.3755,
0.3336

■ 33.0741, 0.2309,
0.3168

■ 58.4008, 0.3795,
0.3346

■ 32.2810, 0.2255,
0.3149

■ 58.8255, 0.3792,
0.3357

■ 31.6506, 0.2220,
0.3130

■ 59.2533, 0.3789,
0.3368

■ 31.1420, 0.2198,
0.3111

■ 59.6841, 0.3786,
0.3378

Harmonies

Analogous

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



42.2357, 0.3040, 0.3352



42.2357, 0.2983, 0.3276



42.2357, 0.2964, 0.3205

Triad

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



42.2357, 0.2983, 0.3276



42.2357, 0.3131, 0.3173



42.2357, 0.3268, 0.3422

Complementary

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



42.2357, 0.2983, 0.3276



37.8792, 0.3289, 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.



42.2357, 0.3293, 0.3372



42.2357, 0.2983, 0.3276



42.2357, 0.3214, 0.3229

Square

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



42.2357, 0.2983, 0.3276



42.2357, 0.3049, 0.3147



42.2357, 0.3274, 0.3302



42.2357, 0.3205, 0.3437

Rectangle

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



42.2357, 0.2983, 0.3276



42.2357, 0.2975, 0.3170



42.2357, 0.3274, 0.3302



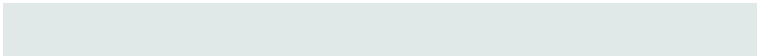
42.2357, 0.3281, 0.3409

Sweetspot

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



42.2375, 0.2983, 0.3276



79.3668, 0.3080, 0.3286



42.0152, 0.3109, 0.3518



17.5057, 0.3068, 0.3284



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.



42.2375, 0.2983, 0.3276



75.9433, 0.2958, 0.3273



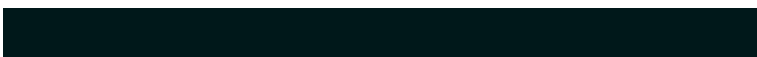
39.0415, 0.2982, 0.3159



9.5461, 0.2986, 0.3276



22.3045, 0.2198, 0.3112



0.7270, 0.2213, 0.3165

Inverse Universe

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



38.1368, 0.3147, 0.3074



67.3056, 0.3150, 0.3035



40.9170, 0.3277, 0.3418



8.6381, 0.3146, 0.3078



8.7918, 0.3357, 0.1623



0.2792, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 42.2357, 0.2983, 0.3276 looks on a white background.

Color Contrast Check

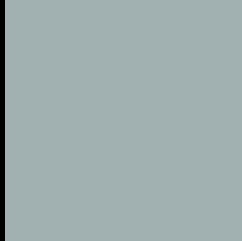
Large Text (above 18pt) WCAG AA × Fail

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 42.2357, 0.2983, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

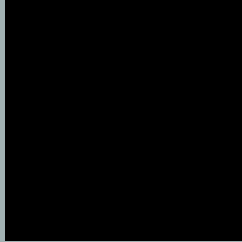
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

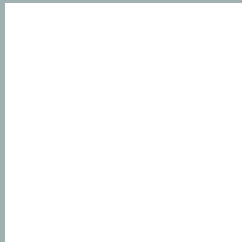
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2357, 0.2983, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 42.2357, 0.2983, 0.3276.



This preview shows how white text looks on a background with the Yxy color 42.2357, 0.2983, 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

42.2357, 0.2983, 0.3276

Protanopia

42.2124, 0.3137, 0.3263

Deuteranopia

41.9919, 0.3208, 0.3134



Tritanopia

42.1206, 0.2915, 0.3099

Trichromacy



Original Color

42.2357, 0.2983, 0.3276

Protanomaly

42.0646, 0.3084, 0.3263

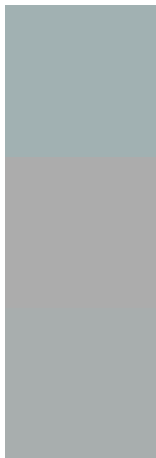
Deuteranomaly

41.8455, 0.3123, 0.3183

Tritanomaly

42.2348, 0.2937, 0.3166

Monochromacy



Original Color

42.2357, 0.2983, 0.3276

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.6529, 0.3074, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2357, 0.2983, 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(161, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 177, 178) }
```

Border

The CSS property to change the border of an element to Yxy 42.2357, 0.2983, 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(161, 177, 178) }
```

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

```
.border{ border-color:rgb(161, 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(161, 177, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 177, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 177, 178);  
box-shadow:4px 4px 4px 4px rgb(161, 177,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2357, 0.2983, 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(161, 177, 178) }
```

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

```
.background{ background-color: rgb(161,  
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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