Converting Colors

Yxy(42.2646, 0.2771, 0.2946)

Have a look what the booklet for Yxy(42.2646, 0.2771, 0.2946) contains.

Yxy(42.3356, 0.2773, 0.2951) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(42.3356, 0.2773, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	9CB0C9
RGB	156, 176, 201
RGB Percent	61%, 69%, 79%
CMY	0.3882, 0.3098, 0.2117
CMYK	0.22, 0.12, 0.00, 0.21
HSL	213°, 29%, 70%
HSV	213°, 22%, 79%
XYZ	39.7820, 42.3356, 61.3443
YIQ	172.8700, -19.9450, 3.5350

Conversions

Conversions Part 2

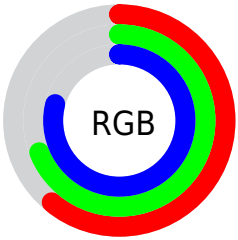
Format	Color
RYB	156, 170, 201
Decimal	10268873
CIELab	71.10, -1.43, -15.01
CIELCh	71, 15.076, 264.573
Yxy	42.3356, 0.2773, 0.2951
Android (android.graphics.Color)	4288458953 (0xFF9CB0C9)
YUV	172.8700, 13.8681, -14.7950
Hunter-Lab	65.0658, -4.7282, -10.3528

Details

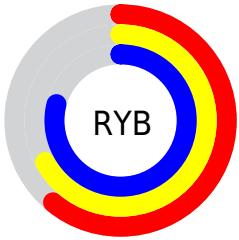
The Yxy color 42.3356, 0.2773, 0.2951 is a light color, and the websafe version is hex 999999. A complement of this color would be 47.8842, 0.3512, 0.3607, and the grayscale version is 41.6577, 0.3127, 0.3290.

A 20% lighter version of the original color is 78.7821, 0.2854, 0.3048, and 19.4649, 0.2672, 0.2860 is the 20% darker color. If you saturate the color by 10%, you get 36.2908, 0.2606, 0.2773, and if you desaturate by 10%, it is 49.0766, 0.2936, 0.3113.

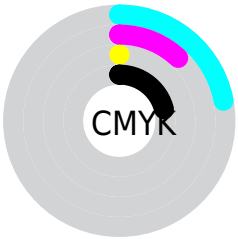
Distribution



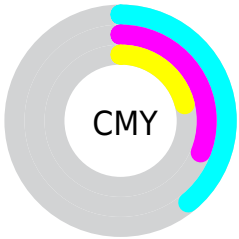
- Red (61%)
- Green (69%)
- Blue (79%)



- Red (61%)
- Yellow (67%)
- Blue (79%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)



- Cyan (39%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3356, 0.2773, 0.2951 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 42.3356, 0.2773, 0.2951 by changing the saturation by 10% instead.

42.3356, 0.2773, 0.2951

42.3356, 0.2773, 0.2951

355.8722, 0.2951, 0.3122

29.3642, 0.2728, 0.2908

78.7073, 0.2838, 0.3014

19.3565, 0.2671, 0.2852

102.8763, 0.2862, 0.3037

11.9281, 0.2594, 0.2777

131.5467, 0.2883, 0.3057

6.6948, 0.2487, 0.2673

165.1028, 0.2900, 0.3074

3.2720, 0.2328, 0.2516

203.9290, 0.2916, 0.3088

1.2753, 0.2069, 0.2259

248.4097, 0.2929,

0.1220, 0.0579,

0.3101

0.0870

298.9293, 0.2941, 0.3113

0.0000, 0.0000, 0.0000

42.3356, 0.2773, 0.2951

42.3356, 0.2773, 0.2951

36.2908, 0.2606, 0.2773

49.0766, 0.2936, 0.3113

30.9122, 0.2438, 0.2580

56.5321, 0.3091, 0.3258

26.1746, 0.2275, 0.2374

64.7263, 0.3238, 0.3387

22.0494, 0.2121, 0.2160

73.6804, 0.3376, 0.3501

18.5051, 0.1982, 0.1943

83.1242, 0.3493, 0.3602

15.5065, 0.1865, 0.1731

89.6136, 0.3471, 0.3709

13.0128, 0.1774, 0.1529

96.5103, 0.3449, 0.3813

11.4049, 0.1719, 0.1386

96.9979, 0.3448, 0.3820

Harmonies

Analogous

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

42.3356, 0.2713, 0.3064

42.3356, 0.2773, 0.2951

42.3356, 0.2926, 0.2929

Triad

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

42.3356, 0.2773, 0.2951

42.3356, 0.3509, 0.3315

42.3356, 0.3106, 0.3610

Complementary

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

42.3356, 0.2773, 0.2951

47.8842, 0.3512, 0.3607

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.

42.3356, 0.3321, 0.3676

42.3356, 0.2773, 0.2951

42.3356, 0.3559, 0.3495

Square

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

42.3356, 0.2773, 0.2951

42.3356, 0.3352, 0.3136

42.3356, 0.3489, 0.3629

42.3356, 0.2901, 0.3449

Rectangle

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

42.3356, 0.2773, 0.2951

42.3356, 0.3063, 0.2965

42.3356, 0.3489, 0.3629

42.3356, 0.3179, 0.3644

Sweetspot

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

42.3373, 0.2773, 0.2951

90.6008, 0.3019, 0.3192

52.1785, 0.2930, 0.3562

19.2252, 0.3009, 0.3183

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.

42.3373, 0.2773, 0.2951

67.1591, 0.2690, 0.2864

35.2966, 0.2771, 0.2673

11.0497, 0.2983, 0.3158

7.3461, 0.1726, 0.1412

0.4917, 0.1839, 0.1819

Inverse Universe

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

39.3372, 0.3383, 0.3037

61.4362, 0.3457, 0.2978

56.2936, 0.3443, 0.3847

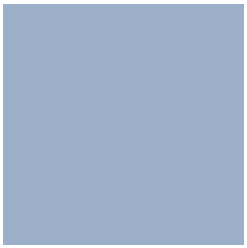
10.7139, 0.3221, 0.3188

8.2816, 0.5174, 0.2624

0.4067, 0.4662, 0.2342

Previews

White Background

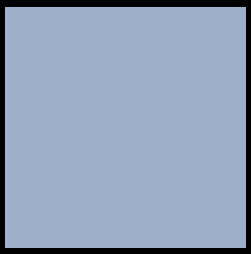


This preview shows how the Yxy color 42.3356, 0.2773, 0.2951 looks on a white background.

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



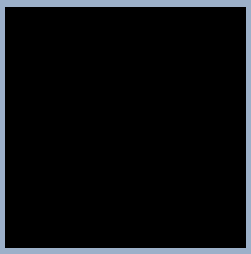
This preview shows how the Yxy color 42.3356, 0.2773, 0.2951 looks on a black background.

Color Contrast Check

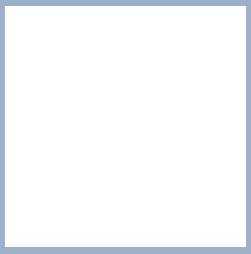
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 42.3356, 0.2773, 0.2951 Background



This preview shows how black text looks on a background with the Yxy color 42.3356, 0.2773, 0.2951.

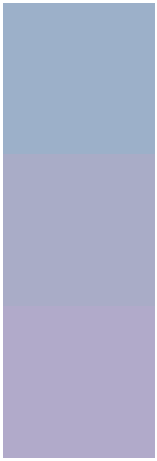


This preview shows how white text looks on a background with the Yxy color 42.3356, 0.2773, 0.2951.

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



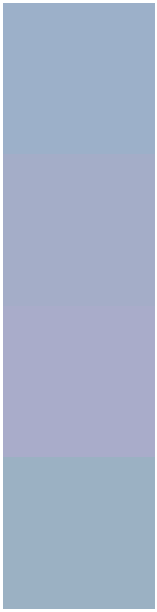
Original Color
42.3356, 0.2773, 0.2951

Protanopia
42.0636, 0.2888, 0.2932

Deuteranopia
42.3608, 0.2930, 0.2876

Tritanopia
42.5166, 0.2823, 0.3096

Trichromacy



Original Color
42.3356, 0.2773, 0.2951

Protanomaly
41.9498, 0.2840, 0.2929

Deuteranomaly
42.2043, 0.2865, 0.2895

Tritanomaly
42.3530, 0.2808, 0.3043

Monochromacy

Original Color
42.3356, 0.2773, 0.2951

Achromatopsia
41.7885, 0.3127, 0.3290

Achromatomaly
41.9065, 0.2994, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3356, 0.2773, 0.2951 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(156, 176, 201) looks like.

```
.text, #text, p{
    color:rgb(156, 176, 201)
}
```

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(156, 176, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 176, 201) }
```

Border

The CSS property to change the border of an element to Yxy 42.3356, 0.2773, 0.2951 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(156, 176, 201) }
```

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

```
.border{ border-color:rgb(156, 176, 201) }
```

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

Here you see how a box with a 4 pixel rgb(156, 176, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 176, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 176, 201); box-shadow:4px 4px 4px 4px rgb(156, 176, 201) }
```

Background

The CSS property to change the background color of an element to Yxy 42.3356, 0.2773, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(156, 176, 201) }
```

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

```
.background{ background-color:rgb(156,
176, 201) }
```

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