

Converting Colors

$Yxy(40.7947, 0.2707, 0.2973)$

Have a look what the booklet for
Yxy(40.7947, 0.2707, 0.2973)
contains.

Yxy(40.7569, 0.2710, 0.2969)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7569, 0.2710, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	91AFC6
RGB	145, 175, 198
RGB Percent	57%, 69%, 78%
CMY	0.4312, 0.3137, 0.2236
CMYK	0.27, 0.12, 0.00, 0.22
HSL	206°, 32%, 67%
HSV	206°, 27%, 78%
XYZ	37.2015, 40.7569, 59.3165
YIQ	168.6520, -25.2630, 0.7930

Conversions

Conversions Part 2

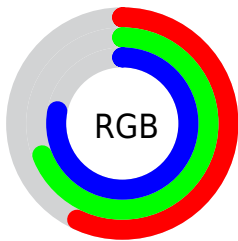
Format	Color
RYB	145, 164, 198
Decimal	9547718
CIELab	70.01, -4.97, -15.06
CIElCh	70, 15.857, 251.741
Yxy	40.7569, 0.2710, 0.2969
Android (android.graphics.Color)	4287737798 (0xFF91AFC6)
YUV	168.6520, 14.4686, -20.7428
Hunter-Lab	63.8411, -7.7065, -10.3991

Details

The Yxy color $40.7569, 0.2710, 0.2969$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $42.0556, 0.3620, 0.3590$, and the grayscale version is $39.4349, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0930, 0.2786, 0.3021$, and $18.5067, 0.2590, 0.2882$ is the 20% darker color. If you saturate the color by 10%, you get $35.8749, 0.2553, 0.2827$, and if you desaturate by 10%, it is $46.1684, 0.2868, 0.3099$.

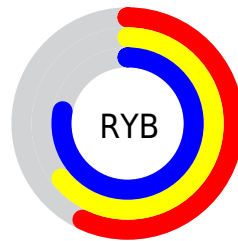
Distribution



Red (57%)

Green (69%)

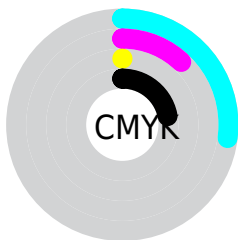
Blue (78%)



Red (57%)

Yellow (64%)

Blue (78%)

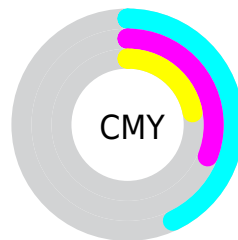


Cyan (27%)

Magenta (12%)

Yellow (0%)

Black (22%)



Cyan (43%)

Magenta (31%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7569, 0.2710, 0.2969 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 40.7569, 0.2710, 0.2969 by changing the saturation by 10% instead.

■ 40.7569, 0.2710,
0.2969

■ 40.7569, 0.2710,
0.2969

■ 349.3036, 0.2920,
0.3134

■ 28.1292, 0.2657,
0.2927

■ 76.3147, 0.2787,
0.3030

■ 18.4231, 0.2589,
0.2872

■ 100.0136, 0.2816,
0.3052

■ 11.2541, 0.2498,
0.2797

■ 128.1717, 0.2840,
0.3071

■ 6.2380, 0.2371,
0.2692

■ 161.1733, 0.2861,
0.3088

■ 2.9904, 0.2182,
0.2531

■ 199.4030, 0.2879,
0.3101

■ 1.1267, 0.1875,
0.2260

■ 243.2449, 0.2894,

■ 0.0006, 0.0000,

0.3114

0.0006

293.0837, 0.2908,
0.3124

0.0000, 0.0000,
0.0000

40.7569, 0.2710,
0.2969

40.7569, 0.2710,
0.2969

35.8749, 0.2553,
0.2827

46.1684, 0.2868,
0.3099

31.4972, 0.2400,
0.2675

52.1234, 0.3024,
0.3217

27.6038, 0.2256,
0.2514

58.6413, 0.3176,
0.3323

24.1709, 0.2126,
0.2347

65.7391, 0.3321,
0.3417

21.1721, 0.2014,
0.2178

73.4328, 0.3459,
0.3501

■ 18.5772, 0.1922,
0.2011

■ 80.0272, 0.3525,
0.3580

■ 16.3473, 0.1853,
0.1848

■ 84.8324, 0.3506,
0.3664

■ 15.6780, 0.1833,
0.1797

■ 89.8753, 0.3489,
0.3746

■ 95.1591, 0.3471,
0.3826

Harmonies

Analogous

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



40.7569, 0.2694, 0.3124



40.7569, 0.2710, 0.2969



40.7569, 0.2833, 0.2904

Triad

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



40.7569, 0.2710, 0.2969



40.7569, 0.3474, 0.3232



40.7569, 0.3204, 0.3676

Complementary

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



40.7569, 0.2710, 0.2969



42.0556, 0.3620, 0.3590

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.



40.7569, 0.3420, 0.3694



40.7569, 0.2710, 0.2969



40.7569, 0.3581, 0.3428

Square

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



40.7569, 0.2710, 0.2969



40.7569, 0.3272, 0.3055



40.7569, 0.3560, 0.3599



40.7569, 0.2974, 0.3543

Rectangle

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



40.7569, 0.2710, 0.2969



40.7569, 0.2963, 0.2916



40.7569, 0.3560, 0.3599



40.7569, 0.3281, 0.3696

Sweetspot

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



40.7585, 0.2710, 0.2969



90.8153, 0.3003, 0.3202



49.2256, 0.2935, 0.3711



19.0843, 0.2979, 0.3184



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.



40.7585, 0.2710, 0.2969



67.1207, 0.2619, 0.2889



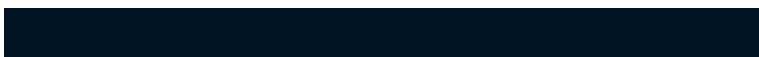
31.4550, 0.2673, 0.2583



11.2670, 0.2983, 0.3187



10.3714, 0.1838, 0.1818



0.6332, 0.1932, 0.2155

Inverse Universe

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



35.3580, 0.3381, 0.2905



56.4463, 0.3452, 0.2819



52.8299, 0.3537, 0.3911



10.7358, 0.3203, 0.3160



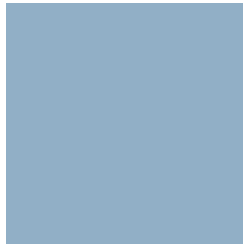
8.5870, 0.4664, 0.2343



0.4209, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 40.7569, 0.2710, 0.2969 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 40.7569, 0.2710, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

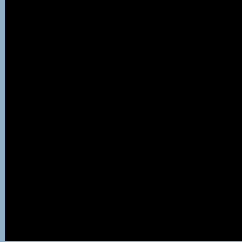
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

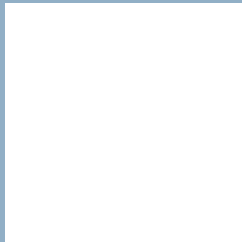
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7569, 0.2710, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 40.7569, 0.2710, 0.2969.



This preview shows how white text looks on a background with the Yxy color 40.7569, 0.2710, 0.2969.

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

40.7569, 0.2710, 0.2969

Protanopia

40.4865, 0.2907, 0.2953

Deuteranopia

40.6918, 0.2911, 0.2856



Tritanopia

40.6080, 0.2751, 0.3090

Trichromacy



Original Color

40.7569, 0.2710, 0.2969

Protanomaly

40.4369, 0.2835, 0.2961

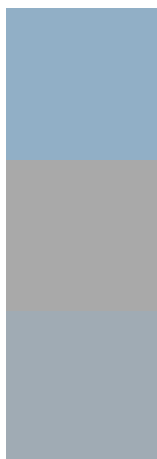
Deuteranomaly

40.6595, 0.2837, 0.2899

Tritanomaly

40.8302, 0.2738, 0.3050

Monochromacy



Original Color

40.7569, 0.2710, 0.2969

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8947, 0.2958, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7569, 0.2710, 0.2969 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(145, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(145, 175, 198)  
}
```

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(145, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 175, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.7569, 0.2710, 0.2969 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(145, 175, 198) }
```

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

```
.border{ border-color:rgb(145, 175, 198) }
```

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

Here you see how a box with a 4 pixel rgb(145, 175, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 175, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 175, 198);  
box-shadow:4px 4px 4px 4px rgb(145, 175,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7569, 0.2710, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 175, 198) }
```

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

```
.background{ background-color: rgb(145,  
175, 198) }
```

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