

Converting Colors

$Yxy(34.9121, 0.2757, 0.3538)$

Have a look what the booklet for
Yxy(34.9121, 0.2757, 0.3538)
contains.

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Color

Yxy(34.9709, 0.2753, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	70AB9C
RGB	112, 171, 156
RGB Percent	44%, 67%, 61%
CMY	0.5606, 0.3294, 0.3883
CMYK	0.34, 0.00, 0.09, 0.33
HSL	165°, 26%, 55%
HSV	165°, 34%, 67%
XYZ	27.2502, 34.9709, 36.7625
YIQ	151.6490, -30.3490, -17.1730

Conversions

Conversions Part 2

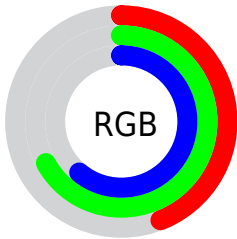
Format	Color
RYB	112, 146, 171
Decimal	7383964
CIELab	65.73, -22.57, 1.64
CIElCh	66, 22.631, 175.842
Yxy	34.9709, 0.2753, 0.3533
Android (android.graphics.Color)	4285574044 (0xFF70AB9C)
YUV	151.6490, 2.1450, -34.7722
Hunter-Lab	59.1362, -21.2349, 4.5372

Details

The Yxy color **34.9709, 0.2753, 0.3533** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7916, 0.3715, 0.3064**, and the grayscale version is **31.2460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6983, 0.2831, 0.3495**, and **14.9689, 0.2633, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **33.8097, 0.2665, 0.3616**, and if you desaturate by 10%, it is **36.3533, 0.2853, 0.3455**.

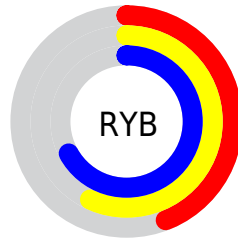
Distribution



Red (44%)

Green (67%)

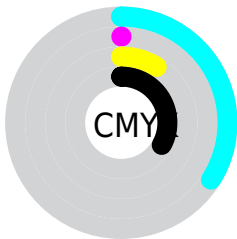
Blue (61%)



Red (44%)

Yellow (57%)

Blue (67%)

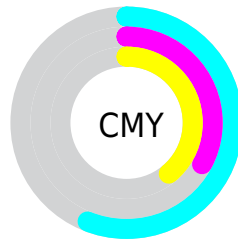


Cyan (34%)

Magenta (0%)

Yellow (9%)

Black (33%)



Cyan (56%)


Magenta (33%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9709, 0.2753, 0.3533 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 34.9709, 0.2753, 0.3533 by changing the saturation by 10% instead.


 34.9709, 0.2753,
0.3533


 34.9709, 0.2753,
0.3533


324.4399, 0.2949,
0.3405


 23.6405, 0.2701,
0.3567

 67.4407, 0.2827,
0.3485

 15.0671, 0.2632,
0.3613


 89.3488, 0.2853,
0.3467

 8.8665, 0.2537,
0.3677


 115.5516, 0.2876,
0.3452

 4.6542, 0.2397,
0.3771

 146.4335, 0.2895,
0.3440

 2.0458, 0.2172,
0.3926

182.3789, 0.2911,
0.3429

 0.6339, 0.0408,
0.5027

223.7722, 0.2926,

 0.0000, 0.0000,

0.3420

0.0000

270.9977, 0.2938,
0.3412

■ 34.9709, 0.2753,
0.3533

■ 34.9709, 0.2753,
0.3533

■ 33.8097, 0.2665,
0.3616

■ 36.3533, 0.2853,
0.3455

■ 32.8532, 0.2591,
0.3704

■ 37.9638, 0.2961,
0.3383

■ 32.0895, 0.2534,
0.3796

■ 39.8143, 0.3075,
0.3317

■ 31.5037, 0.2496,
0.3889


■ 41.9144, 0.3192,
0.3258


■ 31.0786, 0.2477,
0.3983

■ 44.2734, 0.3311,
0.3205


 30.7934, 0.2476,
0.4077

 46.9002, 0.3430,
0.3158

 30.6685, 0.2480,
0.4129

 49.8029, 0.3546,
0.3116

 52.9896, 0.3660,
0.3080

 54.3315, 0.3674,
0.3039

Harmonies

Analogous

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



34.9709, 0.3071, 0.3807



34.9709, 0.2753, 0.3533



34.9709, 0.2541, 0.3196

Triad

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



34.9709, 0.2753, 0.3533



34.9709, 0.2817, 0.2728



34.9709, 0.3820, 0.3614

Complementary

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



34.9709, 0.2753, 0.3533



21.7916, 0.3715, 0.3064

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.



34.9709, 0.3749, 0.3332



34.9709, 0.2753, 0.3533



34.9709, 0.3153, 0.2840

Square

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



34.9709, 0.2753, 0.3533



34.9709, 0.2577, 0.2749



34.9709, 0.3499, 0.3056



34.9709, 0.3695, 0.3833

Rectangle

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



34.9709, 0.2753, 0.3533



34.9709, 0.2481, 0.2995



34.9709, 0.3499, 0.3056



34.9709, 0.3819, 0.3524

Sweetspot

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



34.9723, 0.2753, 0.3533



69.3646, 0.3009, 0.3354



34.8665, 0.3218, 0.4257



15.3696, 0.2994, 0.3363



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.9723, 0.2753, 0.3533



61.0890, 0.2688, 0.3593



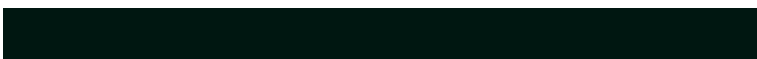
30.5844, 0.2620, 0.3065



9.0367, 0.3019, 0.3348



23.1299, 0.2478, 0.4119



0.6516, 0.2399, 0.3837

Inverse Universe

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



21.7916, 0.3715, 0.3064



34.0439, 0.3899, 0.3015



24.7010, 0.3850, 0.3502



8.0476, 0.3248, 0.3232



6.6687, 0.5878, 0.3012



0.1944, 0.5032, 0.2545

Previews

White Background



This preview shows how the Yxy color 34.9709, 0.2753, 0.3533 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 34.9709, 0.2753, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

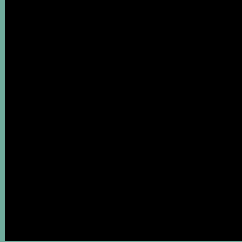
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9709, 0.2753, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 34.9709, 0.2753, 0.3533.



This preview shows how white text looks on a background with the Yxy color 34.9709, 0.2753, 0.3533.

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

34.9709, 0.2753, 0.3533

Protanopia

34.5162, 0.3269, 0.3423

Deuteranopia

34.6479, 0.3271, 0.3206



Tritanopia

34.8252, 0.2614, 0.3073

Trichromacy



Original Color

34.9709, 0.2753, 0.3533

Protanomaly

34.4811, 0.3054, 0.3459

Deuteranomaly

34.2241, 0.3051, 0.3305

Tritanomaly

34.6968, 0.2664, 0.3226

Monochromacy



Original Color

34.9709, 0.2753, 0.3533

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.4145, 0.2972, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9709, 0.2753, 0.3533 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(112, 171, 156)` looks like.

```
.text, #text, p{  
    color:rgb(112, 171, 156)  
}
```

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(112, 171, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 171, 156) }
```

Border

The CSS property to change the border of an element to Yxy 34.9709, 0.2753, 0.3533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

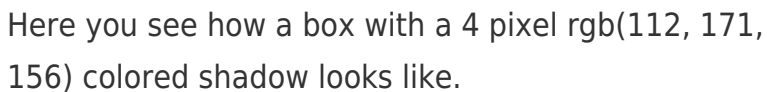
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 171, 156) }
```

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

```
.border{ border-color:rgb(112, 171, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 171, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 171, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 171, 156); box-shadow:4px 4px 4px 4px rgb(112, 171, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9709, 0.2753, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 171, 156) }
```

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

```
.background{ background-color: rgb(112,  
171, 156) }
```

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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