

Converting Colors

$Y_{xy}(36.9933, 0.2865, 0.3381)$

Have a look what the booklet for
Yxy(36.9933, 0.2865, 0.3381)
contains.

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Color

Yxy(36.9933, 0.2865, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	87ABA5
RGB	135, 171, 165
RGB Percent	53%, 67%, 65%
CMY	0.4705, 0.3294, 0.3530
CMYK	0.21, 0.00, 0.04, 0.33
HSL	170°, 18%, 60%
HSV	170°, 21%, 67%
XYZ	31.3475, 36.9933, 41.0745
YIQ	159.5520, -19.5300, -9.4980

Conversions

Conversions Part 2

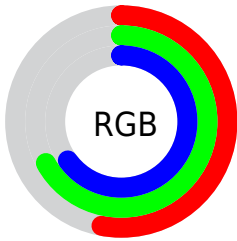
Format	Color
RYB	135, 155, 171
Decimal	8891301
CIELab	67.27, -13.48, -0.94
CIElCh	67, 13.509, 183.984
Yxy	36.9933, 0.2865, 0.3381
Android (android.graphics.Color)	4287081381 (0xFF87ABA5)
YUV	159.5520, 2.6859, -21.5321
Hunter-Lab	60.8221, -14.4405, 2.5357

Details

The Yxy color **36.9933, 0.2865, 0.3381** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.9181, 0.3472, 0.3201**, and the grayscale version is **34.9335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3788, 0.2916, 0.3359**, and **16.2707, 0.2782, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **35.5851, 0.2753, 0.3430**, and if you desaturate by 10%, it is **38.6348, 0.2986, 0.3336**.

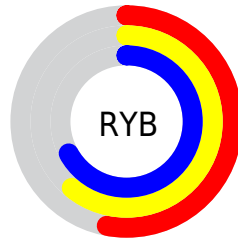
Distribution



Red (53%)

Green (67%)

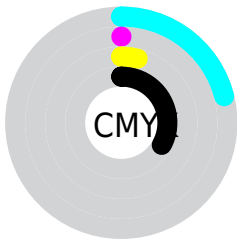
Blue (65%)



Red (53%)

Yellow (61%)

Blue (67%)

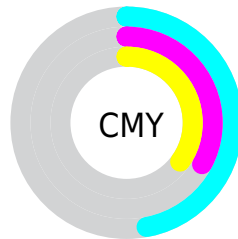


Cyan (21%)

Magenta (0%)

Yellow (4%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9933, 0.2865, 0.3381 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 36.9933, 0.2865, 0.3381 by changing the saturation by 10% instead.

 36.9933, 0.2865,
0.3381


 36.9933, 0.2865,
0.3381


333.2815, 0.3001,
0.3334


 25.2023, 0.2830,
0.3393


 70.5625, 0.2915,
0.3364

 16.2278, 0.2783,
0.3409


 93.1095, 0.2934,
0.3357

 9.6855, 0.2719,
0.3430


 120.0105, 0.2950,
0.3352

 5.1910, 0.2627,
0.3461

151.6501, 0.2963,
0.3347

 2.3597, 0.2480,
0.3509

188.4126, 0.2974,
0.3343

 0.8051, 0.1998,
0.3687

230.6824, 0.2984,

 0.0000, 0.0000,

0.3340

0.0000

278.8439, 0.2993,
0.3337

■ 36.9933, 0.2865,
0.3381

■ 36.9933, 0.2865,
0.3381

■ 35.5851, 0.2753,
0.3430

■ 38.6348, 0.2986,
0.3336

■ 34.3946, 0.2652,
0.3483

■ 40.5150, 0.3114,
0.3294

■ 33.4116, 0.2566,
0.3538

■ 42.6451, 0.3245,
0.3257

■ 32.6234, 0.2496,
0.3595

■ 45.0340, 0.3377,
0.3223

■ 32.0155, 0.2444,
0.3654

■ 47.6904, 0.3509,
0.3193

■ 31.5717, 0.2411,
0.3713

■ 50.6223, 0.3639,
0.3167

■ 31.2727, 0.2397,
0.3772

■ 53.8377, 0.3765,
0.3145

■ 31.0901, 0.2396,
0.3825

■ 54.0115, 0.3741,
0.3115

■ 54.1361, 0.3715,
0.3085

Harmonies

Analogous

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



36.9933, 0.3043, 0.3550



36.9933, 0.2865, 0.3381



36.9933, 0.2758, 0.3191

Triad

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



36.9933, 0.2865, 0.3381



36.9933, 0.2997, 0.2962



36.9933, 0.3523, 0.3529

Complementary

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



36.9933, 0.2865, 0.3381



27.9181, 0.3472, 0.3201

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.



36.9933, 0.3511, 0.3369



36.9933, 0.2865, 0.3381



36.9933, 0.3202, 0.3049

Square

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



36.9933, 0.2865, 0.3381



36.9933, 0.2832, 0.2956



36.9933, 0.3393, 0.3196



36.9933, 0.3425, 0.3632

Rectangle

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



36.9933, 0.2865, 0.3381



36.9933, 0.2738, 0.3081



36.9933, 0.3393, 0.3196



36.9933, 0.3532, 0.3480

Sweetspot

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



36.9948, 0.2865, 0.3381



70.7983, 0.3048, 0.3315



36.5933, 0.3160, 0.3851



15.7415, 0.3041, 0.3317



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.



36.9948, 0.2865, 0.3381



65.0939, 0.2814, 0.3402



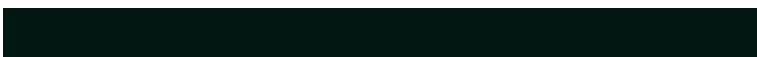
33.0996, 0.2808, 0.3114



9.0487, 0.3008, 0.3328



23.4440, 0.2394, 0.3819



0.6582, 0.2345, 0.3641

Inverse Universe

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



27.9181, 0.3472, 0.3201



46.0411, 0.3565, 0.3182



31.0951, 0.3506, 0.3460



8.0364, 0.3261, 0.3252



6.5978, 0.6124, 0.3147



0.1900, 0.5405, 0.2751

Previews

White Background



This preview shows how the Yxy color 36.9933, 0.2865, 0.3381 looks on a white background.

Color Contrast Check

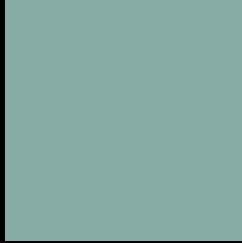
Large Text (above 18pt) WCAG AA × Fail

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 36.9933, 0.2865, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

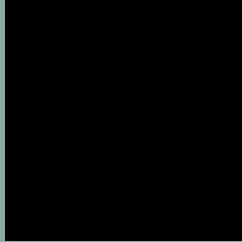
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9933, 0.2865, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 36.9933, 0.2865, 0.3381.

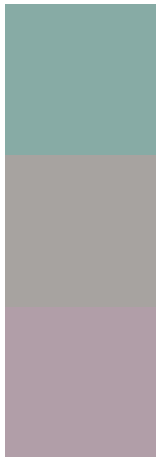


This preview shows how white text looks on a background with the Yxy color 36.9933, 0.2865, 0.3381.

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

36.9933, 0.2865, 0.3381

Protanopia

36.9479, 0.3192, 0.3333

Deuteranopia

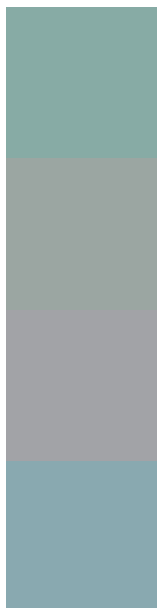
36.6280, 0.3221, 0.3152



Tritanopia

36.7859, 0.2759, 0.3083

Trichromacy



Original Color

36.9933, 0.2865, 0.3381

Protanomaly

36.8496, 0.3060, 0.3349

Deuteranomaly

36.6658, 0.3083, 0.3232

Tritanomaly

36.8289, 0.2796, 0.3185

Monochromacy



Original Color

36.9933, 0.2865, 0.3381

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.7389, 0.3024, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9933, 0.2865, 0.3381 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(135, 171, 165)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 165)  
}
```

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(135, 171, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 165) }
```

Border

The CSS property to change the border of an element to Yxy 36.9933, 0.2865, 0.3381 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(135, 171, 165) }
```

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

```
.border{ border-color:rgb(135, 171, 165) }
```

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

Here you see how a box with a 4 pixel rgb(135, 171, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 165);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9933, 0.2865, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 165) }
```

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

```
.background{ background-color: rgb(135,  
171, 165) }
```

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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