

Converting Colors

$Y_{xy}(34.6885, 0.3290, 0.3369)$

Have a look what the booklet for
Yxy(34.6885, 0.3290, 0.3369)
contains.

Yxy(34.6731, 0.3292, 0.3378)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6731, 0.3292, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	A89D97
RGB	168, 157, 151
RGB Percent	66%, 62%, 59%
CMY	0.3412, 0.3843, 0.4079
CMYK	0.00, 0.07, 0.10, 0.34
HSL	21°, 9%, 63%
HSV	21°, 10%, 66%
XYZ	33.7904, 34.6731, 34.1804
YIQ	159.6050, 8.4820, 0.4660

Conversions

Conversions Part 2

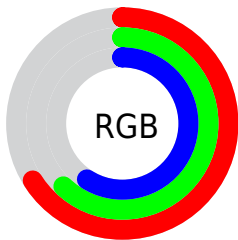
Format	Color
RYB	168, 160, 151
Decimal	11050391
CIELab	65.49, 2.94, 4.58
CIELCh	65, 5.443, 57.296
Yxy	34.6731, 0.3292, 0.3378
Android (android.graphics.Color)	4289240471 (0xFFA89D97)
YUV	159.6050, -4.2423, 7.3624
Hunter-Lab	58.8839, -0.6150, 6.8026

Details

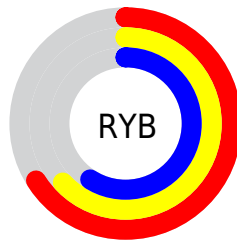
The Yxy color **34.6731, 0.3292, 0.3378** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2374, 0.2974, 0.3200**, and the grayscale version is **34.9799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1827, 0.3258, 0.3368**, and **14.9412, 0.3349, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **30.6560, 0.3483, 0.3470**, and if you desaturate by 10%, it is **39.0974, 0.3129, 0.3291**.

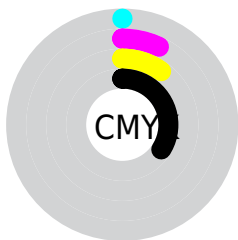
Distribution



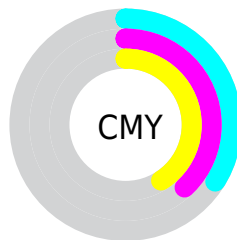
- Red (66%)
- Green (62%)
- Blue (59%)



- Red (66%)
- Yellow (63%)
- Blue (59%)



- Cyan (0%)
- Magenta (7%)
- Yellow (10%)
- Black (34%)





- Cyan (34%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6731, 0.3292, 0.3378 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 34.6731, 0.3292, 0.3378 by changing the saturation by 10% instead.

 34.6731, 0.3292,
0.3378


 34.6731, 0.3292,
0.3378


323.1231, 0.3205,
0.3332

 23.4112, 0.3315,
0.3390


 66.9790, 0.3259,
0.3361

 14.8974, 0.3346,
0.3406

 88.7918, 0.3247,
0.3355

 8.7474, 0.3389,
0.3427


114.8904, 0.3238,
0.3349

 4.5768, 0.3453,
0.3459

145.6591, 0.3229,
0.3345

 2.0012, 0.3557,
0.3509

181.4823, 0.3222,
0.3341

 0.6081, 0.4061,
0.3801


222.7444, 0.3216,


 0.0000, 0.0000,


0.3338

0.0000


269.8299, 0.3210,
0.3335

 34.6731, 0.3292,
0.3378

 34.6731, 0.3292,
0.3378


 30.6560, 0.3483,
0.3470


 39.0974, 0.3129,
0.3291


 27.0297, 0.3705,
0.3566

 43.9354, 0.2990,
0.3210

 23.7834, 0.3962,
0.3661

 49.1996, 0.2872,
0.3136

 20.9042, 0.4254,
0.3750

 54.9001, 0.2771,
0.3068

 18.3784, 0.4575,
0.3824

 61.0470, 0.2684,
0.3007

■ 16.1911, 0.4913,
0.3872

■ 67.6500, 0.2610,
0.2950

■ 14.3263, 0.5249,
0.3881

■ 73.8125, 0.2610,
0.3042

■ 12.7667, 0.5553,
0.3843

■ 80.1474, 0.2626,
0.3165

■ 11.5013, 0.5811,
0.3768

■ 86.8669, 0.2642,
0.3285

Harmonies

Analogous

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



34.6731, 0.3277, 0.3309



34.6731, 0.3292, 0.3378



34.6731, 0.3262, 0.3425

Triad

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



34.6731, 0.3292, 0.3378



34.6731, 0.3034, 0.3345



34.6731, 0.3057, 0.3149

Complementary

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



34.6731, 0.3292, 0.3378



35.2374, 0.2974, 0.3200

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.



34.6731, 0.2993, 0.3156



34.6731, 0.3292, 0.3378



34.6731, 0.2980, 0.3268

Square

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



34.6731, 0.3292, 0.3378



34.6731, 0.3113, 0.3406



34.6731, 0.2965, 0.3199



34.6731, 0.3140, 0.3178

Rectangle

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



34.6731, 0.3292, 0.3378



34.6731, 0.3221, 0.3437



34.6731, 0.2965, 0.3199



34.6731, 0.3032, 0.3147

Sweetspot

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



34.6746, 0.3292, 0.3378



68.5228, 0.3174, 0.3316



33.0620, 0.3195, 0.3131



14.7951, 0.3187, 0.3323



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



34.6746, 0.3292, 0.3378



61.3376, 0.3329, 0.3397



37.6319, 0.3279, 0.3498



7.9606, 0.3277, 0.3370



8.7740, 0.5793, 0.3782



0.3097, 0.5175, 0.4273

Inverse Universe

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



35.2374, 0.2974, 0.3200



62.5515, 0.2942, 0.3181



32.3619, 0.2973, 0.3073



8.0785, 0.2987, 0.3208



10.4187, 0.1919, 0.2110



0.3444, 0.2040, 0.2545

Previews

White Background



This preview shows how the Yxy color 34.6731, 0.3292, 0.3378 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 34.6731, 0.3292, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

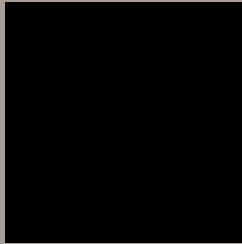
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6731, 0.3292, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 34.6731, 0.3292, 0.3378.



This preview shows how white text looks on a background with the Yxy color 34.6731, 0.3292, 0.3378.

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

34.6731, 0.3292, 0.3378

Protanopia

34.6132, 0.3241, 0.3378

Deuteranopia

34.7253, 0.3379, 0.3319



Tritanopia

34.7788, 0.3165, 0.3120

Trichromacy



Original Color

34.6731, 0.3292, 0.3378

Protanomaly

34.7201, 0.3251, 0.3378

Deuteranomaly

34.7084, 0.3347, 0.3333

Tritanomaly

34.7852, 0.3209, 0.3219

Monochromacy



Original Color

34.6731, 0.3292, 0.3378

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0171, 0.3184, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6731, 0.3292, 0.3378 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(168, 157, 151)` looks like.

```
.text, #text, p{  
    color:rgb(168, 157, 151)  
}
```

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(168, 157, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 157, 151) }
```

Border

The CSS property to change the border of an element to Yxy 34.6731, 0.3292, 0.3378 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(168, 157, 151) }
```

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

```
.border{ border-color:rgb(168, 157, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 157, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 157, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 157, 151);  
box-shadow:4px 4px 4px 4px rgb(168, 157,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6731, 0.3292, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 157, 151) }
```

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

```
.background{ background-color: rgb(168,  
157, 151) }
```

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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