

Converting Colors

$Y_{xy}(34.0638, 0.3100, 0.3725)$

Have a look what the booklet for
Yxy(34.0638, 0.3100, 0.3725)
contains.

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Color

Yxy(34.0636, 0.3098, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	89A58A
RGB	137, 165, 138
RGB Percent	54%, 65%, 54%
CMY	0.4627, 0.3529, 0.4589
CMYK	0.17, 0.00, 0.16, 0.35
HSL	122°, 13%, 59%
HSV	122°, 17%, 65%
XYZ	28.3604, 34.0636, 29.1202
YIQ	153.5500, -8.0210, -14.3330

Conversions

Conversions Part 2

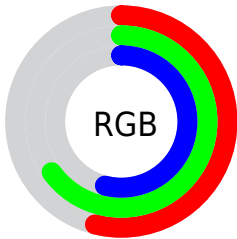
Format	Color
RYB	137, 164, 165
Decimal	9020810
CIELab	65.01, -15.08, 10.82
CIELCh	65, 18.561, 144.339
Yxy	34.0636, 0.3098, 0.3721
Android (android.graphics.Color)	4287210890 (0xFF89A58A)
YUV	153.5500, -7.6661, -14.5143
Hunter-Lab	58.3640, -15.3999, 11.2726

Details

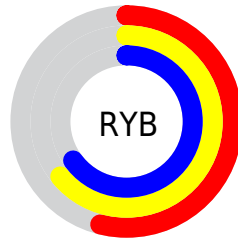
The Yxy color **34.0636, 0.3098, 0.3721** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **28.5771, 0.3156, 0.2894**, and the grayscale version is **32.1459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0244, 0.3111, 0.3636**, and **14.5411, 0.3087, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **32.3474, 0.3079, 0.4018**, and if you desaturate by 10%, it is **36.0636, 0.3116, 0.3456**.

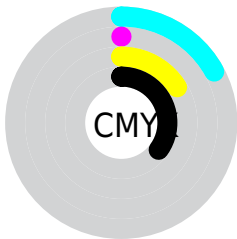
Distribution



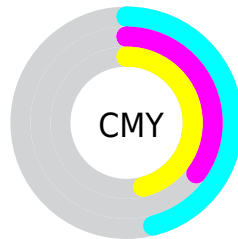
- Red (54%)
- Green (65%)
- Blue (54%)



- Red (54%)
- Yellow (64%)
- Blue (65%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)





- Cyan (46%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0636, 0.3098, 0.3721 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 34.0636, 0.3098, 0.3721 by changing the saturation by 10% instead.


 34.0636, 0.3098,
0.3721


 34.0636, 0.3098,
0.3721


320.4155, 0.3116,
0.3488


 22.9425, 0.3092,
0.3785


 66.0326, 0.3106,
0.3632

 14.5510, 0.3083,
0.3872


 87.6492, 0.3108,
0.3600

 8.5049, 0.3069,
0.3996


 113.5331, 0.3110,
0.3573

 4.4197, 0.3045,
0.4186

144.0686, 0.3112,
0.3551

 1.9110, 0.2995,
0.4512

179.6403, 0.3113,
0.3532

 0.5550, 0.2231,
0.7769

220.6324, 0.3114,


 0.0000, 0.0000,


0.3515


0.0000


267.4293, 0.3115,
0.3501

 34.0636, 0.3098,
0.3721


 34.0636, 0.3098,
0.3721


 32.3474, 0.3079,
0.4018

 36.0636, 0.3116,
0.3456


 30.8980, 0.3060,
0.4342


 38.3549, 0.3132,
0.3222


 29.7035, 0.3041,
0.4683

 40.9500, 0.3147,
0.3020

 28.7490, 0.3024,
0.5025


 43.8595, 0.3160,
0.2845

 28.0183, 0.3010,
0.5345


 47.0934, 0.3172,
0.2695


 27.4932, 0.3000,
0.5618


 50.6613, 0.3182,
0.2565

 27.1525, 0.2995,
0.5823

 54.5724, 0.3192,
0.2454

 26.9661, 0.2995,
0.5948

 55.3905, 0.3168,
0.2412

 26.9231, 0.2993,
0.5975

Harmonies

Analogous

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



34.0636, 0.3383, 0.3804



34.0636, 0.3098, 0.3721



34.0636, 0.2829, 0.3504

Triad

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



34.0636, 0.3098, 0.3721



34.0636, 0.2661, 0.2844



34.0636, 0.3633, 0.3317

Complementary

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



34.0636, 0.3098, 0.3721



28.5771, 0.3156, 0.2894

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.



34.0636, 0.3422, 0.3085



34.0636, 0.3098, 0.3721



34.0636, 0.2858, 0.2818

Square

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



34.0636, 0.3098, 0.3721



34.0636, 0.2585, 0.2989



34.0636, 0.3136, 0.2906



34.0636, 0.3701, 0.3553

Rectangle

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



34.0636, 0.3098, 0.3721



34.0636, 0.2694, 0.3321



34.0636, 0.3136, 0.2906



34.0636, 0.3576, 0.3236

Sweetspot

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



34.0650, 0.3098, 0.3721



65.3129, 0.3119, 0.3410



36.6169, 0.3367, 0.3702



14.2217, 0.3118, 0.3426



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



34.0650, 0.3098, 0.3721



59.9041, 0.3092, 0.3819



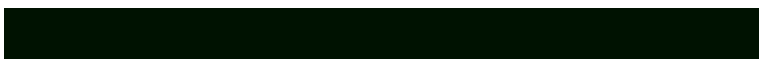
34.4955, 0.2982, 0.3494



7.8988, 0.3112, 0.3514



20.3690, 0.2992, 0.5971



0.4291, 0.2954, 0.5834

Inverse Universe

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



28.5771, 0.3156, 0.2894



48.3778, 0.3162, 0.2813



28.1002, 0.3301, 0.3094



7.1979, 0.3143, 0.3076



7.9540, 0.3296, 0.1589



0.1684, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 34.0636, 0.3098, 0.3721 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 34.0636, 0.3098, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

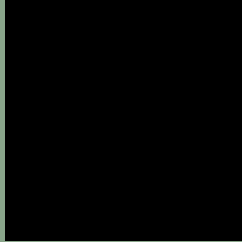
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0636, 0.3098, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 34.0636, 0.3098, 0.3721.



This preview shows how white text looks on a background with the Yxy color 34.0636, 0.3098, 0.3721.

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

34.0636, 0.3098, 0.3721

Protanopia

33.9422, 0.3434, 0.3632

Deuteranopia

33.9633, 0.3515, 0.3447



Tritanopia

33.9984, 0.2861, 0.3094

Trichromacy



Original Color

34.0636, 0.3098, 0.3721

Protanomaly

33.8594, 0.3305, 0.3673

Deuteranomaly

33.8999, 0.3356, 0.3544

Tritanomaly

34.0414, 0.2950, 0.3320

Monochromacy



Original Color

34.0636, 0.3098, 0.3721

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.8877, 0.3120, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0636, 0.3098, 0.3721 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(137, 165, 138)` looks like.

```
.text, #text, p{  
    color:rgb(137, 165, 138)  
}
```

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(137, 165, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 165, 138) }
```

Border

The CSS property to change the border of an element to Yxy 34.0636, 0.3098, 0.3721 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(137, 165, 138) }
```

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

```
.border{ border-color:rgb(137, 165, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 165, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 165, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 165, 138);  
box-shadow:4px 4px 4px 4px rgb(137, 165,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0636, 0.3098, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 165, 138) }
```

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

```
.background{ background-color: rgb(137,  
165, 138) }
```

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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