

Converting Colors

$Y_{xy}(29.3111, 0.3105, 0.3705)$

Have a look what the booklet for
Yxy(29.3111, 0.3105, 0.3705)
contains.

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Color

Yxy(29.3633, 0.3107, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	819A81
RGB	129, 154, 129
RGB Percent	51%, 60%, 51%
CMY	0.4942, 0.3961, 0.4940
CMYK	0.16, 0.00, 0.16, 0.40
HSL	120°, 11%, 55%
HSV	120°, 16%, 60%
XYZ	24.5709, 29.3633, 25.1482
YIQ	143.6750, -6.8750, -13.0750

Conversions

Conversions Part 2

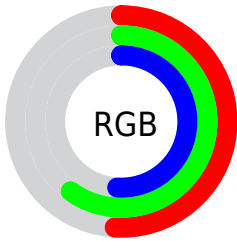
Format	Color
RYB	129, 154, 154
Decimal	8493697
CIELab	61.10, -13.82, 10.22
CIElCh	61, 17.187, 143.501
Yxy	29.3633, 0.3107, 0.3713
Android (android.graphics.Color)	4286683777 (0xFF819A81)
YUV	143.6750, -7.2348, -12.8700
Hunter-Lab	54.1879, -13.8900, 10.4155

Details

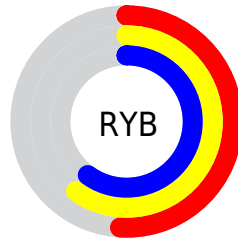
The Yxy color $29.3633, 0.3107, 0.3713$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $24.9001, 0.3146, 0.2900$, and the grayscale version is $27.7843, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.4342, 0.3112, 0.3616$, and $11.9419, 0.3086, 0.3870$ is the 20% darker color. If you saturate the color by 10%, you get $27.8694, 0.3093, 0.4016$, and if you desaturate by 10%, it is $31.1031, 0.3120, 0.3442$.

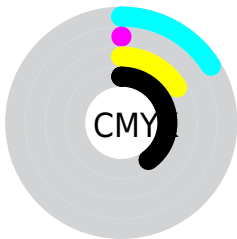
Distribution



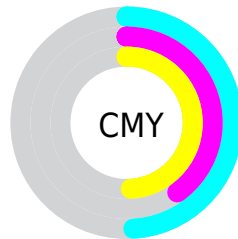
- Red (51%)
- Green (60%)
- Blue (51%)



- Red (51%)
- Yellow (60%)
- Blue (60%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)





- Cyan (49%)
- Magenta (40%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3633, 0.3107, 0.3713 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 29.3633, 0.3107, 0.3713 by changing the saturation by 10% instead.

 29.3633, 0.3107,
0.3713


 29.3633, 0.3107,
0.3713


298.9253, 0.3121,
0.3480

 19.3558, 0.3102,
0.3780

 58.6538, 0.3113,
0.3622

 11.9277, 0.3094,
0.3872


 78.7056, 0.3115,
0.3590

 6.6944, 0.3082,
0.4006


 102.8743, 0.3116,
0.3564

 3.2718, 0.3057,
0.4218

131.5444, 0.3118,
0.3541

 1.2752, 0.3044,
0.4672

165.1001, 0.3119,
0.3522

 0.1219, 0.0000,
1.0000

203.9258, 0.3119,

 0.0000, 0.0000,

0.3506

0.0000

248.4061, 0.3120,
0.3492

■ 29.3633, 0.3107,
0.3713

■ 29.3633, 0.3107,
0.3713

■ 27.8694, 0.3093,
0.4016

■ 31.1031, 0.3120,
0.3442

■ 26.6067, 0.3077,
0.4348

■ 33.0951, 0.3131,
0.3205

■ 25.5648, 0.3060,
0.4696

■ 35.3503, 0.3141,
0.2998

■ 24.7311, 0.3044,
0.5044

■ 37.8776, 0.3150,
0.2821

■ 24.0915, 0.3029,
0.5368

■ 40.6858, 0.3157,
0.2668

■ 23.6304, 0.3016,
0.5641

■ 43.7832, 0.3163,
0.2537

■ 23.3297, 0.3007,
0.5842

■ 47.1776, 0.3169,
0.2425

■ 23.1632, 0.3001,
0.5962

■ 50.8766, 0.3173,
0.2328

■ 23.1132, 0.3000,
0.5999

■ 51.5928, 0.3173,
0.2311

Harmonies

Analogous

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



29.3633, 0.3384, 0.3790



29.3633, 0.3107, 0.3713



29.3633, 0.2844, 0.3505

Triad

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



29.3633, 0.3107, 0.3713



29.3633, 0.2669, 0.2858



29.3633, 0.3615, 0.3310

Complementary

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



29.3633, 0.3107, 0.3713



24.9001, 0.3146, 0.2900

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.



29.3633, 0.3407, 0.3085



29.3633, 0.3107, 0.3713



29.3633, 0.2859, 0.2829

Square

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



29.3633, 0.3107, 0.3713



29.3633, 0.2599, 0.3003



29.3633, 0.3128, 0.2912



29.3633, 0.3686, 0.3541

Rectangle

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



29.3633, 0.3107, 0.3713



29.3633, 0.2710, 0.3328



29.3633, 0.3128, 0.2912



29.3633, 0.3559, 0.3232

Sweetspot

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



29.3646, 0.3107, 0.3713



56.8876, 0.3121, 0.3413



31.5680, 0.3364, 0.3681



12.8255, 0.3120, 0.3430



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.3646, 0.3107, 0.3713



52.4407, 0.3103, 0.3805



29.7169, 0.2996, 0.3498



6.9257, 0.3116, 0.3519



18.8297, 0.3000, 0.5999



0.2815, 0.2998, 0.5993

Inverse Universe

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



24.9001, 0.3146, 0.2900



42.9723, 0.3149, 0.2824



24.5058, 0.3282, 0.3091



6.3235, 0.3138, 0.3071



7.4927, 0.3212, 0.1543



0.1121, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.3633, 0.3107, 0.3713 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3633, 0.3107, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

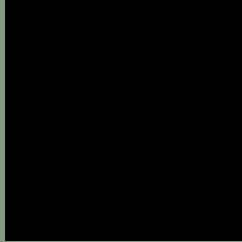
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3633, 0.3107, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 29.3633, 0.3107, 0.3713.



This preview shows how white text looks on a background with the Yxy color 29.3633, 0.3107, 0.3713.

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

29.3633, 0.3107, 0.3713

Protanopia

29.3167, 0.3432, 0.3639

Deuteranopia

29.2274, 0.3507, 0.3442



Tritanopia

29.1364, 0.2872, 0.3097

Trichromacy



Original Color

29.3633, 0.3107, 0.3713

Protanomaly

29.4300, 0.3317, 0.3680

Deuteranomaly

28.9688, 0.3351, 0.3529

Tritanomaly

29.2087, 0.2958, 0.3322

Monochromacy



Original Color

29.3633, 0.3107, 0.3713

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.5329, 0.3120, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3633, 0.3107, 0.3713 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(129, 154, 129)` looks like.

```
.text, #text, p{  
    color:rgb(129, 154, 129)  
}
```

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(129, 154, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 154, 129) }
```

Border

The CSS property to change the border of an element to Yxy 29.3633, 0.3107, 0.3713 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(129, 154, 129) }
```

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

```
.border{ border-color:rgb(129, 154, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 154, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 154, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 154, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 154,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3633, 0.3107, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 154, 129) }
```

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

```
.background{ background-color: rgb(129,  
154, 129) }
```

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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