

Converting Colors

$Y_{xy}(29.7209, 0.2872, 0.2629)$

Have a look what the booklet for
Yxy(29.7209, 0.2872, 0.2629)
contains.

Yxy(29.6131, 0.2869, 0.2619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.6131, 0.2869, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	9E8CBB
RGB	158, 140, 187
RGB Percent	62%, 55%, 73%
CMY	0.3806, 0.4509, 0.2667
CMYK	0.16, 0.25, 0.00, 0.27
HSL	263°, 26%, 64%
HSV	263°, 25%, 73%
XYZ	32.4399, 29.6131, 51.0173
YIQ	150.7400, -4.3590, 18.4330

Conversions

Conversions Part 2

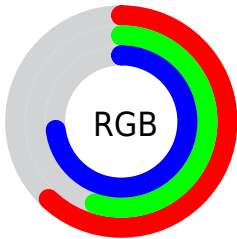
Format	Color
R _Y B	158, 140, 187
Decimal	10390715
CIE Lab	61.32, 16.15, -22.03
CIE LCh	61, 27.317, 306.244
Yxy	29.6131, 0.2869, 0.2619
Android (android.graphics.Color)	4288580795 (0xFF9E8CBB)
YUV	150.7400, 17.8762, 6.3670
Hunter-Lab	54.4179, 11.1769, -17.4924

Details

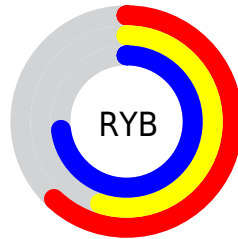
The Yxy color **29.6131, 0.2869, 0.2619** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.8763, 0.3341, 0.3942**, and the grayscale version is **30.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2008, 0.2926, 0.2753**, and **12.0977, 0.2772, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **23.4873, 0.2740, 0.2318**, and if you desaturate by 10%, it is **36.7804, 0.2983, 0.2903**.

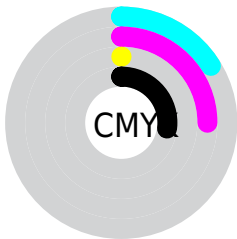
Distribution



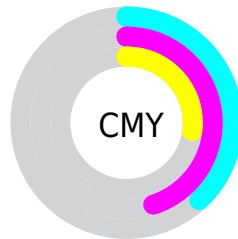
- Red (62%)
- Green (55%)
- Blue (73%)



- Red (62%)
- Yellow (55%)
- Blue (73%)



- Cyan (16%)
- Magenta (25%)
- Yellow (0%)
- Black (27%)



- Cyan (38%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6131, 0.2869, 0.2619 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 29.6131, 0.2869, 0.2619 by changing the saturation by 10% instead.

■ 29.6131, 0.2869,
0.2619

■ 29.6131, 0.2869,
0.2619

■ 300.0968, 0.3011,
0.2964

■ 19.5451, 0.2829,
0.2530

■ 59.0498, 0.2924,
0.2746

■ 12.0648, 0.2776,
0.2415

■ 79.1873, 0.2943,
0.2794

■ 6.7878, 0.2700,
0.2260

■ 103.4500, 0.2959,
0.2833

■ 3.3298, 0.2584,
0.2041

■ 132.2224, 0.2973,
0.2867

■ 1.3062, 0.2393,
0.1712

■ 165.8889, 0.2985,
0.2897

■ 0.1460, 0.2065,
0.0566

■ 204.8339, 0.2995,

■ 0.0000, 0.0000,

0.2922

0.0000

249.4418, 0.3003,
0.2944

■ 29.6131, 0.2869,
0.2619

■ 29.6131, 0.2869,
0.2619

■ 23.4873, 0.2740,
0.2318

■ 36.7804, 0.2983,
0.2903

■ 18.3494, 0.2598,
0.2008

■ 45.0320, 0.3082,
0.3165

■ 14.1463, 0.2446,
0.1701

■ 54.4128, 0.3167,
0.3403

■ 10.8185, 0.2289,
0.1414

■ 64.9640, 0.3239,
0.3617

■ 8.2994, 0.2136,
0.1163

■ 76.7248, 0.3300,
0.3807

■ 6.5121, 0.1993,
0.0964

■ 89.7324, 0.3351,
0.3976

■ 5.3634, 0.1869,
0.0826

■ 93.4405, 0.3423,
0.3984

■ 4.9407, 0.1815,
0.0773

■ 95.5170, 0.3501,
0.3966

■ 96.3677, 0.3532,
0.3959

Harmonies

Analogous

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



29.6131, 0.2519, 0.2581



29.6131, 0.2869, 0.2619



29.6131, 0.3315, 0.2807

Triad

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



29.6131, 0.2869, 0.2619



29.6131, 0.3981, 0.3800



29.6131, 0.2540, 0.3448

Complementary

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



29.6131, 0.2869, 0.2619



45.8763, 0.3341, 0.3942

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.



29.6131, 0.2901, 0.3856



29.6131, 0.2869, 0.2619



29.6131, 0.3738, 0.4040

Square

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



29.6131, 0.2869, 0.2619



29.6131, 0.3984, 0.3459



29.6131, 0.3339, 0.4078



29.6131, 0.2340, 0.3022

Rectangle

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



29.6131, 0.2869, 0.2619



29.6131, 0.3606, 0.2997



29.6131, 0.3339, 0.4078



29.6131, 0.2645, 0.3595

Sweetspot

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



29.6143, 0.2869, 0.2619



75.9986, 0.3054, 0.3089



37.8295, 0.2741, 0.3039



16.2349, 0.3039, 0.3050



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.6143, 0.2869, 0.2619



46.9279, 0.2802, 0.2459



32.1421, 0.3093, 0.2662



9.3980, 0.3042, 0.3057



3.4429, 0.1827, 0.0780



0.1727, 0.2111, 0.0937

Inverse Universe

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



32.1945, 0.3335, 0.2899



52.3935, 0.3392, 0.2812



43.5705, 0.3145, 0.3983



9.6329, 0.3194, 0.3149



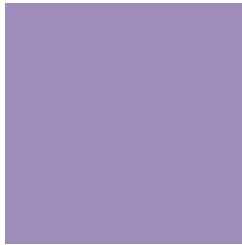
8.1568, 0.4447, 0.2223



0.3319, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 29.6131, 0.2869, 0.2619 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 29.6131, 0.2869, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

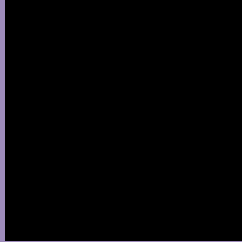
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6131, 0.2869, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 29.6131, 0.2869, 0.2619.



This preview shows how white text looks on a background with the Yxy color 29.6131, 0.2869, 0.2619.

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

29.6131, 0.2869, 0.2619

Protanopia

29.5978, 0.2637, 0.2607

Deuteranopia

29.6356, 0.2743, 0.2681



Tritanopia

29.7644, 0.3094, 0.3121

Trichromacy



Original Color

29.6131, 0.2869, 0.2619

Protanomaly

29.5935, 0.2719, 0.2615

Deuteranomaly

29.4860, 0.2786, 0.2659

Tritanomaly

29.7422, 0.3011, 0.2931

Monochromacy



Original Color

29.6131, 0.2869, 0.2619

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.4178, 0.3038, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6131, 0.2869, 0.2619 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(158, 140, 187)` looks like.

```
.text, #text, p{  
    color:rgb(158, 140, 187)  
}
```

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(158, 140, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 140, 187) }
```

Border

The CSS property to change the border of an element to Yxy 29.6131, 0.2869, 0.2619 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(158, 140, 187) }
```

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

```
.border{ border-color:rgb(158, 140, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 140, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 140, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 140, 187);  
box-shadow:4px 4px 4px 4px rgb(158, 140,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6131, 0.2869, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 140, 187) }
```

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

```
.background{ background-color: rgb(158,  
140, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor