

Converting Colors

$Y_{xy}(29.4476, 0.4284, 0.5425)$

Have a look what the booklet for
Yxy(29.4476, 0.4284, 0.5425)
contains.

Yxy(29.6457, 0.4105, 0.5123)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6457, 0.4105, 0.5123)

Conversions

Conversions Part 1

Format	Color
Hex	939B00
RGB	147, 155, 0
RGB Percent	58%, 61%, 0%
CMY	0.4235, 0.3921, 1.0000
CMYK	0.05, 0.00, 1.00, 0.39
HSL	63°, 100%, 30%
HSV	63°, 100%, 61%
XYZ	23.7548, 29.6457, 4.4674
YIQ	134.9380, 44.9870, -49.9010

Conversions

Conversions Part 2

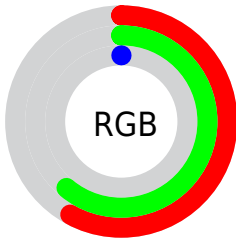
Format	Color
RYB	0, 155, 8
Decimal	9673472
CIELab	61.35, -18.44, 64.38
CIELCh	61, 66.967, 105.987
Yxy	29.6457, 0.4105, 0.5123
Android (android.graphics.Color)	4287863552 (0xFF939B00)
YUV	134.9380, -66.5244, 10.5784
Hunter-Lab	54.4479, -17.4070, 33.2488

Details

The Yxy color **29.6457, 0.4105, 0.5123** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4182, 0.1520, 0.0611**, and the grayscale version is **24.4448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9193, 0.3979, 0.4793**, and **12.1759, 0.4002, 0.5204** is the 20% darker color. If you saturate the color by 10%, you get **29.6473, 0.4105, 0.5123**, and if you desaturate by 10%, it is **29.7574, 0.4087, 0.5070**.

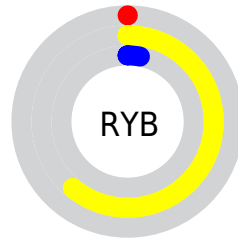
Distribution



Red (58%)

Green (61%)

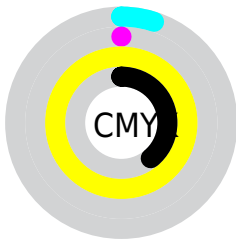
Blue (0%)



Red (0%)

Yellow (61%)

Blue (3%)

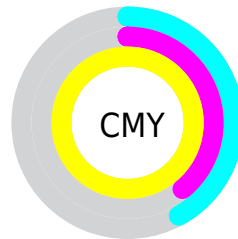


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (42%)


Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6457, 0.4105, 0.5123 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 29.6457, 0.4105, 0.5123 by changing the saturation by 10% instead.


 29.6457, 0.4105,
0.5123


 29.6457, 0.4105,
0.5123


300.2495, 0.3680,
0.4184


 19.5698, 0.4159,
0.5328


 59.1014, 0.3982,
0.4795


 12.0827, 0.4200,
0.5577


 79.2501, 0.3925,
0.4666


 6.8000, 0.4170,
0.5830


 103.5251, 0.3873,
0.4555

 3.3374, 0.3975,
0.6025

 132.3108, 0.3826,
0.4460

 1.3103, 0.3621,
0.6379

 165.9918, 0.3783,
0.4377


 0.1492, 0.0000,
1.0000

 204.9522, 0.3745,

 0.0000, 0.0000,

0.4304

0.0000

 249.5767, 0.3711,
0.4241

 29.6457, 0.4105,
0.5123


 29.6457, 0.4105,
0.5123


 29.6473, 0.4105,
0.5123

 29.7574, 0.4087,
0.5070

 29.8950, 0.4050,
0.4985

 30.0725, 0.3989,
0.4858

 30.2948, 0.3903,
0.4691

 30.5662, 0.3797,
0.4491

■ 30.8903, 0.3675,
0.4266

■ 31.2707, 0.3541,
0.4024

■ 31.7103, 0.3403,
0.3777

■ 32.2121, 0.3264,
0.3530

Harmonies

Analogous

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



29.6457, 0.4887, 0.4459



29.6457, 0.4105, 0.5123



29.6457, 0.3140, 0.5275

Triad

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



29.6457, 0.4105, 0.5123



29.6457, 0.1391, 0.2298



29.6457, 0.3900, 0.2405

Complementary

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



29.6457, 0.4105, 0.5123



2.4182, 0.1520, 0.0611

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.



29.6457, 0.2795, 0.1962



29.6457, 0.4105, 0.5123



29.6457, 0.1516, 0.1852

Square

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



29.6457, 0.4105, 0.5123



29.6457, 0.1608, 0.3220



29.6457, 0.1971, 0.1765



29.6457, 0.4876, 0.3020

Rectangle

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



29.6457, 0.4105, 0.5123



29.6457, 0.2505, 0.4841



29.6457, 0.1971, 0.1765



29.6457, 0.3519, 0.2233

Sweetspot

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



29.6473, 0.4105, 0.5123



55.9581, 0.3549, 0.4039



7.1370, 0.6356, 0.3335



12.6030, 0.3602, 0.4135



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.



29.6473, 0.4105, 0.5123



53.0677, 0.4103, 0.5124



24.7363, 0.3310, 0.5754



7.2067, 0.3253, 0.3510



23.8173, 0.4106, 0.5122



0.3603, 0.4147, 0.5089

Inverse Universe

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



2.4182, 0.1520, 0.0611



4.3053, 0.1514, 0.0608



4.3097, 0.2137, 0.0951



6.0408, 0.2996, 0.3061



1.9475, 0.1522, 0.0612



0.0327, 0.1630, 0.0671

Previews

White Background



This preview shows how the Yxy color 29.6457, 0.4105, 0.5123 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 29.6457, 0.4105, 0.5123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

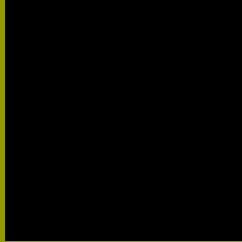
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6457, 0.4105, 0.5123

Background



This preview shows how black text looks on a background with the Yxy color 29.6457, 0.4105, 0.5123.



This preview shows how white text looks on a background with the Yxy color 29.6457, 0.4105, 0.5123.

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

29.6457, 0.4105, 0.5123

Protanopia

29.3953, 0.4407, 0.4883

Deuteranopia

29.3911, 0.4662, 0.4560



Tritanopia

29.5822, 0.3166, 0.3123

Trichromacy



Original Color

29.6457, 0.4105, 0.5123

Protanomaly

29.6068, 0.4294, 0.4973

Deuteranomaly

29.0589, 0.4468, 0.4767

Tritanomaly

28.9507, 0.3679, 0.4070

Monochromacy



Original Color

29.6457, 0.4105, 0.5123

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.5069, 0.3662, 0.4246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6457, 0.4105, 0.5123 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(147, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 155, 0)  
}
```

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(147, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6457, 0.4105, 0.5123 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(147, 155, 0) }
```

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

```
.border{ border-color:rgb(147, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6457, 0.4105, 0.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 155, 0) }
```

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

```
.background{ background-color: rgb(147,  
155, 0) }
```

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