

Converting Colors

$Y_{xy}(28.3121, 0.4181, 0.5032)$

Have a look what the booklet for
Yxy(28.3121, 0.4181, 0.5032)
contains.

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Color

Yxy(28.3121, 0.4181, 0.5032)

Conversions

Conversions Part 1

Format	Color
Hex	969607
RGB	150, 150, 7
RGB Percent	59%, 59%, 3%
CMY	0.4117, 0.4118, 0.9722
CMYK	0.00, 0.00, 0.95, 0.41
HSL	60°, 91%, 31%
HSV	60°, 95%, 59%
XYZ	23.5240, 28.3121, 4.4280
YIQ	133.6980, 45.9030, -44.4730

Conversions

Conversions Part 2

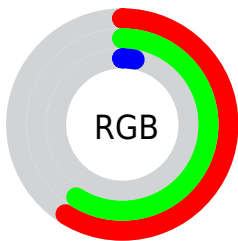
Format	Color
RYB	7, 150, 7
Decimal	9868807
CIELab	60.17, -14.39, 62.55
CIELCh	60, 64.184, 102.957
Yxy	28.3121, 0.4181, 0.5032
Android (android.graphics.Color)	4288058887 (0xFF969607)
YUV	133.6980, -62.4621, 14.2969
Hunter-Lab	53.2091, -14.2002, 32.3124

Details

The Yxy color **28.3121, 0.4181, 0.5032** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4020, 0.1529, 0.0647**, and the grayscale version is **23.9491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0900, 0.4041, 0.4724**, and **11.5472, 0.4111, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **28.2978, 0.4193, 0.5052**, and if you desaturate by 10%, it is **28.3564, 0.4147, 0.4977**.

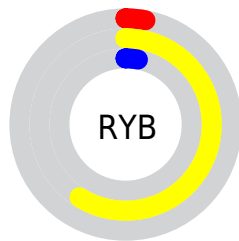
Distribution



Red (59%)

Green (59%)

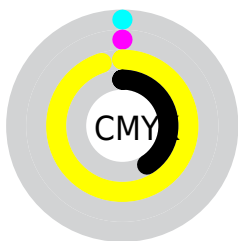
Blue (3%)



Red (3%)

Yellow (59%)

Blue (3%)

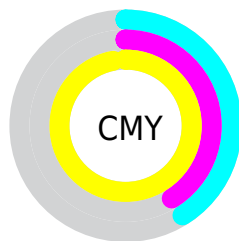


Cyan (0%)

Magenta (0%)

Yellow (95%)

Black (41%)



Cyan (41%)


Magenta (41%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3121, 0.4181, 0.5032 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 28.3121, 0.4181, 0.5032 by changing the saturation by 10% instead.


 28.3121, 0.4181,
0.5032


 28.3121, 0.4181,
0.5032


293.9553, 0.3704,
0.4142


 18.5611, 0.4251,
0.5224


 56.9823, 0.4037,
0.4722

 11.3535, 0.4317,
0.5458


 76.6703, 0.3972,
0.4599

 6.3052, 0.4314,
0.5686


 100.4394, 0.3914,
0.4494

 3.0315, 0.4155,
0.5845

 128.6740, 0.3862,
0.4404

 1.1482, 0.3850,
0.6150

 161.7585, 0.3816,
0.4325

 0.0188, 0.0000,
1.0000

 200.0773, 0.3775,

 0.0000, 0.0000,

0.4256

0.0000

244.0147, 0.3737,
0.4196

28.3121, 0.4181,
0.5032

28.3121, 0.4181,
0.5032

28.2978, 0.4193,
0.5052

28.3564, 0.4147,
0.4977

28.4326, 0.4090,
0.4882

28.5474, 0.4008,
0.4746

28.7053, 0.3903,
0.4572

28.9098, 0.3779,
0.4368

■ 29.1643, 0.3642,
0.4141

■ 29.4717, 0.3497,
0.3901

■ 29.8348, 0.3349,
0.3657

■ 30.2561, 0.3203,
0.3415

Harmonies

Analogous

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



28.3121, 0.4910, 0.4371



28.3121, 0.4181, 0.5032



28.3121, 0.3245, 0.5242

Triad

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



28.3121, 0.4181, 0.5032



28.3121, 0.1432, 0.2394



28.3121, 0.3769, 0.2372

Complementary

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



28.3121, 0.4181, 0.5032



2.4020, 0.1529, 0.0647

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.



28.3121, 0.2708, 0.1958



28.3121, 0.4181, 0.5032



28.3121, 0.1521, 0.1910

Square

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



28.3121, 0.4181, 0.5032



28.3121, 0.1685, 0.3343



28.3121, 0.1936, 0.1791



28.3121, 0.4756, 0.2965

Rectangle

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



28.3121, 0.4181, 0.5032



28.3121, 0.2615, 0.4883



28.3121, 0.1936, 0.1791



28.3121, 0.3399, 0.2209

Sweetspot

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



28.3134, 0.4181, 0.5032



51.7594, 0.3560, 0.4006



6.6594, 0.6274, 0.3288



11.4252, 0.3616, 0.4098



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.3134, 0.4181, 0.5032



49.9326, 0.4193, 0.5052



23.5773, 0.3420, 0.5626



6.7446, 0.3259, 0.3509



23.4665, 0.4193, 0.5052



0.2872, 0.4193, 0.5053

Inverse Universe

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



2.4020, 0.1529, 0.0647



3.8863, 0.1500, 0.0600



3.8993, 0.2060, 0.0937



5.6330, 0.2989, 0.3061



1.8265, 0.1500, 0.0600



0.0224, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 28.3121, 0.4181, 0.5032 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 28.3121, 0.4181, 0.5032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

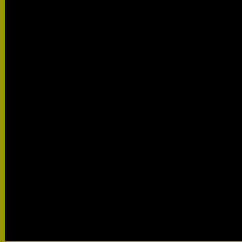
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3121, 0.4181, 0.5032

Background



This preview shows how black text looks on a background with the Yxy color 28.3121, 0.4181, 0.5032.



This preview shows how white text looks on a background with the Yxy color 28.3121, 0.4181, 0.5032.

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

28.3121, 0.4181, 0.5032

Protanopia

28.1433, 0.4410, 0.4880

Deuteranopia

28.3061, 0.4653, 0.4578



Tritanopia

28.1408, 0.3244, 0.3123

Trichromacy



Original Color

28.3121, 0.4181, 0.5032

Protanomaly

28.2449, 0.4325, 0.4936

Deuteranomaly

28.0444, 0.4491, 0.4741

Tritanomaly

27.5947, 0.3738, 0.4008

Monochromacy



Original Color

28.3121, 0.4181, 0.5032

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0362, 0.3665, 0.4180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3121, 0.4181, 0.5032 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(150, 150, 7)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 7)  
}
```

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(150, 150, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 7) }
```

Border

The CSS property to change the border of an element to Yxy 28.3121, 0.4181, 0.5032 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(150, 150, 7) }
```

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

```
.border{ border-color:rgb(150, 150, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 150, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 150, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 150, 7);  
box-shadow:4px 4px 4px 4px rgb(150, 150,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3121, 0.4181, 0.5032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 7) }
```

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

```
.background{ background-color: rgb(150,  
150, 7) }
```

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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