

Converting Colors

$Y_{xy}(29.8221, 0.4221, 0.5031)$

Have a look what the booklet for
Yxy(29.8221, 0.4221, 0.5031)
contains.

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Color

Yxy(29.8504, 0.4227, 0.5026)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 9C9900 |
| RGB | 156, 153, 0 |
| RGB Percent | 61%, 60%, 0% |
| CMY | 0.3881, 0.4000, 1.0000 |
| CMYK | 0.00, 0.02, 1.00, 0.39 |
| HSL | 59°, 100%, 31% |
| HSV | 59°, 100%, 61% |
| XYZ | 25.1050, 29.8504, 4.4366 |
| YIQ | 136.4550, 50.9010, -46.9470 |

Conversions

Conversions Part 2

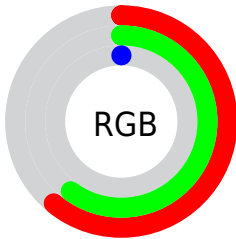
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 3, 156, 0 |
| Decimal | 10262784 |
| CIE _{Lab} | 61.52, -13.35, 64.84 |
| CIE _{LCh} | 62, 66.202, 101.636 |
| Yxy | 29.8504, 0.4227, 0.5026 |
| Android (android.graphics.Color) | 4288452864 (0xFF9C9900) |
| YUV | 136.4550, -67.2723, 17.1410 |
| Hunter-Lab | 54.6355, -13.5915, 33.4303 |

Details

The Yxy color **29.8504, 0.4227, 0.5026** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4669, 0.1504, 0.0615**, and the grayscale version is **25.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4028, 0.4076, 0.4725**, and **12.2121, 0.4161, 0.5078** is the 20% darker color. If you saturate the color by 10%, you get **29.8519, 0.4227, 0.5026**, and if you desaturate by 10%, it is **29.9874, 0.4196, 0.4984**.

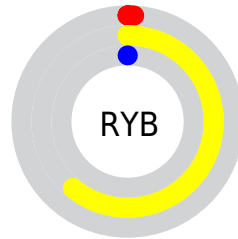
Distribution



Red (61%)

Green (60%)

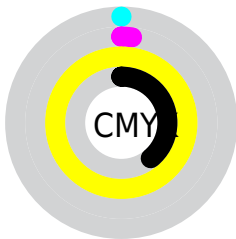
Blue (0%)



Red (1%)

Yellow (61%)

Blue (0%)

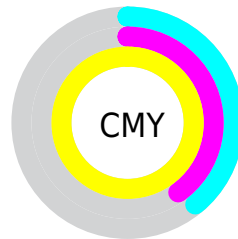


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8504, 0.4227, 0.5026 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 29.8504, 0.4227, 0.5026 by changing the saturation by 10% instead.


 29.8504, 0.4227,
0.5026


 29.8504, 0.4227,
0.5026


301.2065, 0.3734,
0.4155


 19.7251, 0.4299,
0.5208


 59.4255, 0.4079,
0.4728

 12.1954, 0.4366,
0.5424


 79.6441, 0.4012,
0.4608

 6.8769, 0.4371,
0.5629


 103.9959, 0.3952,
0.4505

 3.3852, 0.4233,
0.5767

 132.8652, 0.3899,
0.4416

 1.3360, 0.3992,
0.6008

 166.6366, 0.3851,
0.4338

 0.1688, 0.0000,
1.0000

 205.6943, 0.3808,

 0.0000, 0.0000,


0.4269

0.0000


 250.4228, 0.3769,
0.4209


 29.8504, 0.4227,
0.5026


 29.8504, 0.4227,
0.5026


 29.8519, 0.4227,
0.5026

 29.9874, 0.4196,
0.4984

 30.1507, 0.4146,
0.4911

 30.3542, 0.4071,
0.4796

 30.6028, 0.3972,
0.4642

 30.9010, 0.3852,
0.4453

■ 31.2526, 0.3717,
0.4238

■ 31.6609, 0.3571,
0.4006

■ 32.1292, 0.3422,
0.3765

■ 32.6603, 0.3272,
0.3525

Harmonies

Analogous

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



29.8504, 0.4952, 0.4344



29.8504, 0.4227, 0.5026



29.8504, 0.3285, 0.5279

Triad

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



29.8504, 0.4227, 0.5026



29.8504, 0.1418, 0.2413



29.8504, 0.3727, 0.2339

Complementary

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



29.8504, 0.4227, 0.5026



2.4669, 0.1504, 0.0615

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.



29.8504, 0.2660, 0.1931



29.8504, 0.4227, 0.5026



29.8504, 0.1494, 0.1907

Square

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



29.8504, 0.4227, 0.5026



29.8504, 0.1689, 0.3394



29.8504, 0.1897, 0.1774



29.8504, 0.4742, 0.2931

Rectangle

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



29.8504, 0.4227, 0.5026



29.8504, 0.2646, 0.4946



29.8504, 0.1897, 0.1774



29.8504, 0.3352, 0.2178

Sweetspot

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



29.8519, 0.4227, 0.5026



57.4377, 0.3580, 0.4020



7.0819, 0.6358, 0.3276



12.5729, 0.3637, 0.4111



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.



29.8519, 0.4227, 0.5026



54.1646, 0.4228, 0.5025



25.6342, 0.3421, 0.5666



7.6983, 0.3261, 0.3507



24.5862, 0.4227, 0.5026



0.4458, 0.4212, 0.5037

Inverse Universe

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



2.4669, 0.1504, 0.0615



4.4456, 0.1503, 0.0611



3.8103, 0.1973, 0.0860



6.4549, 0.2987, 0.3063



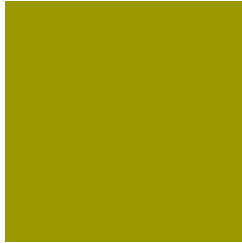
2.0373, 0.1505, 0.0616



0.0418, 0.1527, 0.0697

Previews

White Background



This preview shows how the Yxy color 29.8504, 0.4227, 0.5026 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 29.8504, 0.4227, 0.5026 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 29.8504, 0.4227, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 29.8504, 0.4227, 0.5026.



This preview shows how white text looks on a background with the Yxy color 29.8504, 0.4227, 0.5026.

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

29.8504, 0.4227, 0.5026

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.8030, 0.4667, 0.4572



Tritanopia

29.7529, 0.3274, 0.3127

Trichromacy



Original Color

29.8504, 0.4227, 0.5026

Protanomaly

29.7052, 0.4350, 0.4928

Deuteranomaly

29.5154, 0.4513, 0.4738

Tritanomaly

29.1022, 0.3801, 0.4046

Monochromacy



Original Color

29.8504, 0.4227, 0.5026

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.8738, 0.3700, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8504, 0.4227, 0.5026 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(156, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 153, 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(156, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.8504, 0.4227, 0.5026 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(156, 153, 0) }
```

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

```
.border{ border-color:rgb(156, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8504, 0.4227, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 153, 0) }
```

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

```
.background{ background-color: rgb(156,  
153, 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](#).

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