

Converting Colors

$Y_{xy}(27.8741, 0.4282, 0.4855)$

Have a look what the booklet for
Yxy(27.8741, 0.4282, 0.4855)
contains.

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Color

$\text{Yxy}(27.8928, 0.4277, 0.4860)$

Conversions

Conversions Part 1

Format	Color
Hex	9E9218
RGB	158, 146, 24
RGB Percent	62%, 57%, 9%
CMY	0.3803, 0.4275, 0.9059
CMYK	0.00, 0.08, 0.85, 0.38
HSL	55°, 74%, 36%
HSV	55°, 85%, 62%
XYZ	24.5468, 27.8928, 4.9530
YIQ	135.6800, 46.3140, -35.3980

Conversions

Conversions Part 2

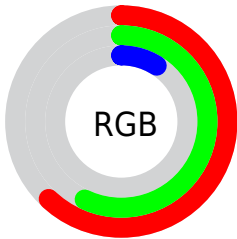
Format	Color
R _Y B	37, 158, 24
Decimal	10392088
CIE Lab	59.79, -8.28, 59.28
CIE LCh	60, 59.856, 97.948
Yxy	27.8928, 0.4277, 0.4860
Android (android.graphics.Color)	4288582168 (0xFF9E9218)
YUV	135.6800, -55.0582, 19.5746
Hunter-Lab	52.8136, -9.4603, 31.4092

Details

The Yxy color **27.8928, 0.4277, 0.4860** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.9251, 0.1638, 0.0895**, and the grayscale version is **24.6921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5167, 0.4097, 0.4586**, and **11.1905, 0.4294, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **27.4120, 0.4333, 0.4906**, and if you desaturate by 10%, it is **28.4196, 0.4195, 0.4772**.

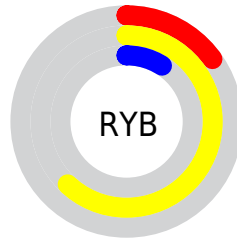
Distribution



Red (62%)

Green (57%)

Blue (9%)



Red (15%)

Yellow (62%)

Blue (9%)

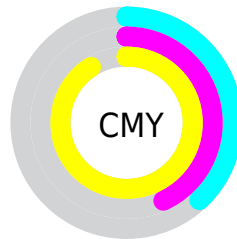


Cyan (0%)

Magenta (8%)

Yellow (85%)

Black (38%)



Cyan (38%)


Magenta (43%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8928, 0.4277, 0.4860 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 27.8928, 0.4277, 0.4860 by changing the saturation by 10% instead.


 27.8928, 0.4277,
0.4860


 27.8928, 0.4277,
0.4860


291.9543, 0.3731,
0.4065


 18.2449, 0.4374,
0.5030


 56.3132, 0.4101,
0.4584


 11.1259, 0.4470,
0.5224


 75.8545, 0.4026,
0.4475


 6.1516, 0.4553,
0.5447

 99.4624, 0.3961,
0.4381

 2.9375, 0.4462,
0.5538

 127.5213, 0.3903,
0.4300

 1.0992, 0.4297,
0.5703

 160.4155, 0.3852,
0.4230

 0.0000, 0.0000,
0.0000

 198.5295, 0.3807,

0.4168

242.2476, 0.3767,
0.4113

27.8928, 0.4277,
0.4860

27.8928, 0.4277,
0.4860

27.4120, 0.4333,
0.4906

28.4196, 0.4195,
0.4772

27.1714, 0.4357,
0.4922

28.9944, 0.4087,
0.4642

29.6233, 0.3958,
0.4476

30.3106, 0.3814,
0.4281

31.0599, 0.3661,
0.4067

■ 31.8747, 0.3504,
0.3843

■ 32.7581, 0.3348,
0.3617

■ 33.7131, 0.3197,
0.3394

■ 34.7424, 0.3054,
0.3181

Harmonies

Analogous

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



27.8928, 0.4901, 0.4223



27.8928, 0.4277, 0.4860



27.8928, 0.3409, 0.5134

Triad

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



27.8928, 0.4277, 0.4860



27.8928, 0.1531, 0.2572



27.8928, 0.3560, 0.2340

Complementary

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



27.8928, 0.4277, 0.4860



3.9251, 0.1638, 0.0895

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.



27.8928, 0.2590, 0.1978



27.8928, 0.4277, 0.4860



27.8928, 0.1562, 0.2035

Square

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



27.8928, 0.4277, 0.4860



27.8928, 0.1842, 0.3533



27.8928, 0.1908, 0.1863



27.8928, 0.4527, 0.2888

Rectangle

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



27.8928, 0.4277, 0.4860



27.8928, 0.2801, 0.4890



27.8928, 0.1908, 0.1863



27.8928, 0.3216, 0.2194

Sweetspot

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



27.8941, 0.4277, 0.4860



57.7676, 0.3514, 0.3858



8.0595, 0.5818, 0.3174



12.9108, 0.3566, 0.3933



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.8941, 0.4277, 0.4860



49.1790, 0.4361, 0.4919



27.4930, 0.3569, 0.5406



7.6186, 0.3263, 0.3492



21.7856, 0.4356, 0.4923



0.4162, 0.4284, 0.4981

Inverse Universe

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



3.9251, 0.1638, 0.0895



4.9327, 0.1515, 0.0654



4.7245, 0.2040, 0.1003



6.5262, 0.2987, 0.3080



2.2600, 0.1521, 0.0676



0.0651, 0.1617, 0.1020

Previews

White Background



This preview shows how the Yxy color 27.8928, 0.4277, 0.4860 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 27.8928, 0.4277, 0.4860 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 27.8928, 0.4277, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 27.8928, 0.4277, 0.4860.



This preview shows how white text looks on a background with the Yxy color 27.8928, 0.4277, 0.4860.

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

27.8928, 0.4277, 0.4860

Protanopia

27.6938, 0.4345, 0.4806

Deuteranopia

27.9301, 0.4628, 0.4540



Tritanopia

27.8991, 0.3369, 0.3141

Trichromacy



Original Color

27.8928, 0.4277, 0.4860

Protanomaly

27.8938, 0.4322, 0.4825

Deuteranomaly

27.7242, 0.4502, 0.4653

Tritanomaly

27.6080, 0.3806, 0.3879

Monochromacy



Original Color

27.8928, 0.4277, 0.4860

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.5117, 0.3642, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8928, 0.4277, 0.4860 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, 146, 24)` looks like.

```
.text, #text, p{  
    color:rgb(158, 146, 24)  
}
```

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, 146, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 146, 24) }
```

Border

The CSS property to change the border of an element to Yxy 27.8928, 0.4277, 0.4860 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, 146, 24) }
```

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

```
.border{ border-color:rgb(158, 146, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 146, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 146, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 146, 24);  
box-shadow:4px 4px 4px 4px rgb(158, 146,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8928, 0.4277, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 146, 24) }
```

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

```
.background{ background-color: rgb(158,  
146, 24) }
```

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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