

Converting Colors

$Y_{xy}(28.2049, 0.3893, 0.4317)$

Have a look what the booklet for
Yxy(28.2049, 0.3893, 0.4317)
contains.

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Color

Yxy(28.2049, 0.3893, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	9C9250
RGB	156, 146, 80
RGB Percent	61%, 57%, 31%
CMY	0.3883, 0.4274, 0.6862
CMYK	0.00, 0.06, 0.49, 0.39
HSL	52°, 32%, 46%
HSV	52°, 49%, 61%
XYZ	25.4347, 28.2049, 11.6949
YIQ	141.4660, 27.1460, -18.4060

Conversions

Conversions Part 2

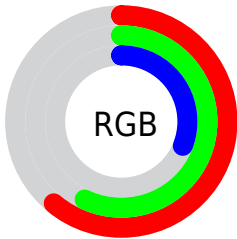
Format	Color
R_{YB}	92, 156, 80
Decimal	10261072
CIE _{Lab}	60.07, -5.70, 36.09
CIE _{LCh}	60, 36.538, 98.970
Yxy	28.2049, 0.3893, 0.4317
Android (android.graphics.Color)	4288451152 (0xFF9C9250)
YUV	141.4660, -30.3027, 12.7463
Hunter-Lab	53.1083, -7.4520, 24.1197

Details

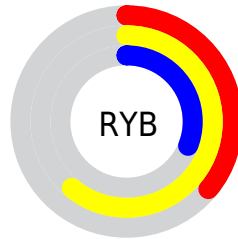
The Yxy color **28.2049, 0.3893, 0.4317** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.4150, 0.2261, 0.1991**, and the grayscale version is **26.9423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9443, 0.3745, 0.4109**, and **11.3536, 0.4110, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **27.3761, 0.4042, 0.4496**, and if you desaturate by 10%, it is **29.1011, 0.3734, 0.4116**.

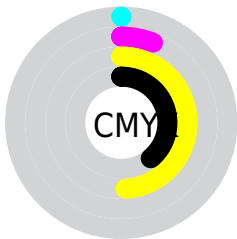
Distribution



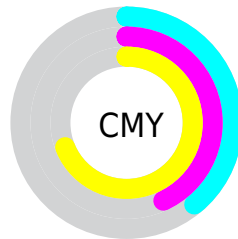
- Red (61%)
- Green (57%)
- Blue (31%)



- Red (36%)
- Yellow (61%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (49%)
- Black (39%)





- Cyan (39%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2049, 0.3893, 0.4317 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 28.2049, 0.3893, 0.4317 by changing the saturation by 10% instead.


 28.2049, 0.3893,
0.4317


 28.2049, 0.3893,
0.4317


293.4447, 0.3495,
0.3767


 18.4802, 0.3990,
0.4461


 56.8114, 0.3748,
0.4111

 11.2953, 0.4110,
0.4645


 76.4620, 0.3693,
0.4035

 6.2658, 0.4253,
0.4883


 100.1900, 0.3647,
0.3971

 3.0074, 0.4594,
0.5406

 128.3797, 0.3608,
0.3918

 1.1356, 0.4485,
0.5515

 161.4157, 0.3574,
0.3872

 0.0081, 0.0000,
1.0000

199.6823, 0.3544,

 0.0000, 0.0000,

0.3832

0.0000

243.5638, 0.3518,
0.3797

■ 28.2049, 0.3893,
0.4317

■ 28.2049, 0.3893,
0.4317

■ 27.3761, 0.4042,
0.4496

■ 29.1011, 0.3734,
0.4116

■ 26.6071, 0.4175,
0.4645

■ 30.0643, 0.3572,
0.3903

■ 25.8947, 0.4286,
0.4755

■ 31.0990, 0.3411,
0.3686

■ 25.2341, 0.4371,
0.4822

■ 32.2080, 0.3255,
0.3471

■ 24.6151, 0.4433,
0.4852

■ 33.3943, 0.3109,
0.3264

■ 24.5362, 0.4441,
0.4856

■ 34.6603, 0.2972,
0.3067

■ 36.0086, 0.2846,
0.2883

■ 37.4414, 0.2731,
0.2713

■ 38.9611, 0.2627,
0.2557

Harmonies

Analogous

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



28.2049, 0.4259, 0.3984



28.2049, 0.3893, 0.4317



28.2049, 0.3341, 0.4371

Triad

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



28.2049, 0.3893, 0.4317



28.2049, 0.2074, 0.2864



28.2049, 0.3431, 0.2682

Complementary

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



28.2049, 0.3893, 0.4317



11.4150, 0.2261, 0.1991

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.



28.2049, 0.2823, 0.2424



28.2049, 0.3893, 0.4317



28.2049, 0.2092, 0.2488

Square

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



28.2049, 0.3893, 0.4317



28.2049, 0.2305, 0.3440



28.2049, 0.2350, 0.2348



28.2049, 0.3997, 0.3074

Rectangle

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



28.2049, 0.3893, 0.4317



28.2049, 0.2946, 0.4189



28.2049, 0.2350, 0.2348



28.2049, 0.3222, 0.2579

Sweetspot

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



28.2062, 0.3893, 0.4317



57.1711, 0.3357, 0.3612



13.5456, 0.4254, 0.3127



12.4952, 0.3388, 0.3654



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.



28.2062, 0.3893, 0.4317



49.6720, 0.4048, 0.4504



28.9488, 0.3521, 0.4580



7.5718, 0.3264, 0.3483



20.2516, 0.4439, 0.4857



0.3995, 0.4328, 0.4945

Inverse Universe

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



11.4150, 0.2261, 0.1991



15.6710, 0.2058, 0.1664



11.3185, 0.2540, 0.1912



6.5687, 0.2988, 0.3090



2.4342, 0.1534, 0.0722



0.0789, 0.1665, 0.1193

Previews

White Background



This preview shows how the Yxy color 28.2049, 0.3893, 0.4317 looks on a white background.

Color Contrast Check

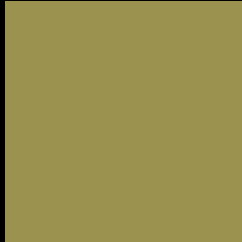
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2049, 0.3893, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

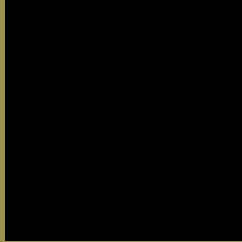
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2049, 0.3893, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 28.2049, 0.3893, 0.4317.



This preview shows how white text looks on a background with the Yxy color 28.2049, 0.3893, 0.4317.

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

28.2049, 0.3893, 0.4317

Protanopia

28.2009, 0.3935, 0.4290

Deuteranopia

28.1333, 0.4179, 0.4091



Tritanopia

28.1334, 0.3289, 0.3124

Trichromacy



Original Color

28.2049, 0.3893, 0.4317

Protanomaly

28.0991, 0.3924, 0.4294

Deuteranomaly

28.0789, 0.4072, 0.4178

Tritanomaly

27.9786, 0.3517, 0.3557

Monochromacy



Original Color

28.2049, 0.3893, 0.4317

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.0878, 0.3404, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2049, 0.3893, 0.4317 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, 146, 80)` looks like.

```
.text, #text, p{  
    color:rgb(156, 146, 80)  
}
```

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, 146, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 146, 80) }
```

Border

The CSS property to change the border of an element to Yxy 28.2049, 0.3893, 0.4317 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, 146, 80) }
```

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

```
.border{ border-color:rgb(156, 146, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 146, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 146, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 146, 80);  
box-shadow:4px 4px 4px 4px rgb(156, 146,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2049, 0.3893, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 146, 80) }
```

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

```
.background{ background-color: rgb(156,  
146, 80) }
```

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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