

Converting Colors

$Y_{xy}(28.3061, 0.3955, 0.5052)$

Have a look what the booklet for
Yxy(28.3061, 0.3955, 0.5052)
contains.

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Color

Yxy(28.2847, 0.3950, 0.5051)

Conversions

Conversions Part 1

Format	Color
Hex	8A991F
RGB	138, 153, 31
RGB Percent	54%, 60%, 12%
CMY	0.4589, 0.4000, 0.8782
CMYK	0.10, 0.00, 0.80, 0.40
HSL	67°, 66%, 36%
HSV	67°, 80%, 60%
XYZ	22.1193, 28.2847, 5.5942
YIQ	134.6070, 30.2220, -41.1220

Conversions

Conversions Part 2

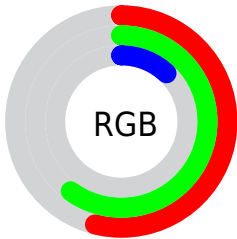
Format	Color
R_{YB}	31, 153, 46
Decimal	9083167
CIE _{Lab}	60.15, -20.66, 56.93
CIE _{LCh}	60, 60.567, 109.947
Yxy	28.2847, 0.3950, 0.5051
Android (android.graphics.Color)	4287273247 (0xFF8A991F)
YUV	134.6070, -51.0783, 2.9757
Hunter-Lab	53.1834, -18.8316, 30.9918

Details

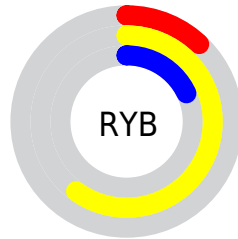
The Yxy color **28.2847, 0.3950, 0.5051** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.8663, 0.1766, 0.0926**, and the grayscale version is **24.2623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7831, 0.3838, 0.4708**, and **11.3876, 0.3901, 0.5284** is the 20% darker color. If you saturate the color by 10%, you get **28.0641, 0.3975, 0.5152**, and if you desaturate by 10%, it is **28.5490, 0.3900, 0.4908**.

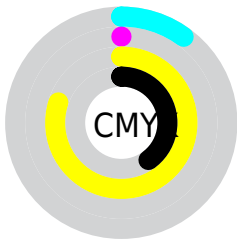
Distribution



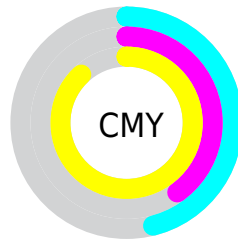
- Red (54%)
- Green (60%)
- Blue (12%)



- Red (12%)
- Yellow (60%)
- Blue (18%)



- Cyan (10%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)




- Cyan (46%)
- Magenta (40%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2847, 0.3950, 0.5051 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 28.2847, 0.3950, 0.5051 by changing the saturation by 10% instead.


 28.2847, 0.3950,
0.5051


 28.2847, 0.3950,
0.5051


293.8248, 0.3582,
0.4114


 18.5404, 0.4002,
0.5277


 56.9387, 0.3839,
0.4709


 11.3386, 0.4033,
0.5546


 76.6171, 0.3790,
0.4580


 6.2951, 0.4062,
0.5938


 100.3757, 0.3745,
0.4471

 3.0253, 0.3828,
0.6172

 128.5988, 0.3704,
0.4378

 1.1450, 0.3297,
0.6703

 161.6709, 0.3668,
0.4298

 0.0161, 0.0000,
1.0000

 199.9763, 0.3636,

 0.0000, 0.0000,

0.4228

0.0000

243.8995, 0.3608,
0.4168

■ 28.2847, 0.3950,
0.5051

■ 28.2847, 0.3950,
0.5051

■ 28.0641, 0.3975,
0.5152

■ 28.5490, 0.3900,
0.4908

■ 27.8719, 0.3981,
0.5219

■ 28.8579, 0.3826,
0.4725

■ 27.8662, 0.3981,
0.5221

■ 29.2168, 0.3732,
0.4511

■ 29.6294, 0.3622,
0.4274

■ 30.0989, 0.3501,
0.4025

■ 30.6284, 0.3375,
0.3772

■ 31.2206, 0.3248,
0.3523

■ 31.8782, 0.3123,
0.3283

■ 32.6036, 0.3004,
0.3056

Harmonies

Analogous

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



28.2847, 0.4704, 0.4500



28.2847, 0.3950, 0.5051



28.2847, 0.3039, 0.5049

Triad

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



28.2847, 0.3950, 0.5051



28.2847, 0.1496, 0.2300



28.2847, 0.3979, 0.2537

Complementary

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



28.2847, 0.3950, 0.5051



3.8663, 0.1766, 0.0926

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.



28.2847, 0.2951, 0.2089



28.2847, 0.3950, 0.5051



28.2847, 0.1654, 0.1919

Square

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



28.2847, 0.3950, 0.5051



28.2847, 0.1664, 0.3101



28.2847, 0.2134, 0.1869



28.2847, 0.4819, 0.3138

Rectangle

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



28.2847, 0.3950, 0.5051



28.2847, 0.2456, 0.4574



28.2847, 0.2134, 0.1869



28.2847, 0.3632, 0.2366

Sweetspot

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



28.2860, 0.3950, 0.5051



54.3809, 0.3436, 0.3893



8.7713, 0.5656, 0.3461



11.9404, 0.3477, 0.3976



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.2860, 0.3950, 0.5051



49.9771, 0.3978, 0.5203



24.4952, 0.3317, 0.5503



7.1843, 0.3242, 0.3511



23.0388, 0.3983, 0.5220



0.3539, 0.4083, 0.5140

Inverse Universe

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



3.8663, 0.1766, 0.0926



4.5902, 0.1570, 0.0657



6.3638, 0.2478, 0.1291



6.0610, 0.3006, 0.3061



2.0225, 0.1557, 0.0631



0.0385, 0.1799, 0.0764

Previews

White Background



This preview shows how the Yxy color 28.2847, 0.3950, 0.5051 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 28.2847, 0.3950, 0.5051 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 28.2847, 0.3950, 0.5051

Background



This preview shows how black text looks on a background with the Yxy color 28.2847, 0.3950, 0.5051.



This preview shows how white text looks on a background with the Yxy color 28.2847, 0.3950, 0.5051.

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

28.2847, 0.3950, 0.5051

Protanopia

28.1260, 0.4326, 0.4781

Deuteranopia

27.9829, 0.4584, 0.4484



Tritanopia

28.0687, 0.3083, 0.3102

Trichromacy



Original Color

28.2847, 0.3950, 0.5051

Protanomaly

28.1436, 0.4187, 0.4879

Deuteranomaly

27.8793, 0.4352, 0.4691

Tritanomaly

27.6816, 0.3486, 0.3904

Monochromacy



Original Color

28.2847, 0.3950, 0.5051

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4433, 0.3518, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2847, 0.3950, 0.5051 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(138, 153, 31)` looks like.

```
.text, #text, p{  
    color:rgb(138, 153, 31)  
}
```

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(138, 153, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 153, 31) }
```

Border

The CSS property to change the border of an element to Yxy 28.2847, 0.3950, 0.5051 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(138, 153, 31) }
```

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

```
.border{ border-color:rgb(138, 153, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 153, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 153, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 153, 31);  
box-shadow:4px 4px 4px 4px rgb(138, 153,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2847, 0.3950, 0.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 153, 31) }
```

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

```
.background{ background-color: rgb(138,  
153, 31) }
```

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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