

Converting Colors

$Y_{xy}(30.9217, 0.4055, 0.4950)$

Have a look what the booklet for
Yxy(30.9217, 0.4055, 0.4950)
contains.

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Color

Yxy(30.9107, 0.4053, 0.4950)

Conversions

Conversions Part 1

Format	Color
Hex	989D23
RGB	152, 157, 35
RGB Percent	60%, 62%, 14%
CMY	0.4039, 0.3843, 0.8626
CMYK	0.03, 0.00, 0.78, 0.38
HSL	62°, 64%, 38%
HSV	62°, 78%, 62%
XYZ	25.3093, 30.9107, 6.2259
YIQ	141.5970, 36.1820, -39.0020

Conversions

Conversions Part 2

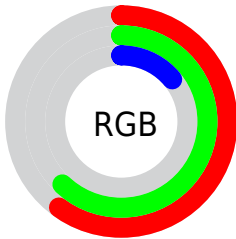
Format	Color
RYB	35, 157, 40
Decimal	10001699
CIELab	62.43, -16.39, 58.18
CIELCh	62, 60.443, 105.738
Yxy	30.9107, 0.4053, 0.4950
Android (android.graphics.Color)	4288191779 (0xFF989D23)
YUV	141.5970, -52.5523, 9.1234
Hunter-Lab	55.5974, -16.0378, 32.2788

Details

The Yxy color **30.9107, 0.4053, 0.4950** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.0916, 0.1722, 0.0931**, and the grayscale version is **27.0859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8992, 0.3920, 0.4638**, and **12.8495, 0.4053, 0.5164** is the 20% darker color. If you saturate the color by 10%, you get **30.7767, 0.4097, 0.5042**, and if you desaturate by 10%, it is **31.0897, 0.3984, 0.4816**.

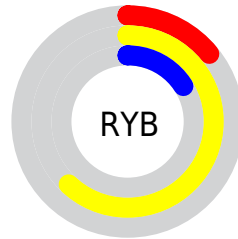
Distribution



Red (60%)

Green (62%)

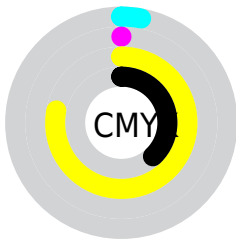
Blue (14%)



Red (14%)

Yellow (62%)

Blue (16%)

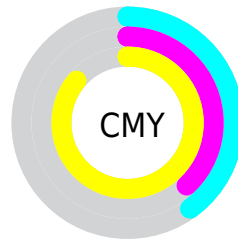


Cyan (3%)

Magenta (0%)

Yellow (78%)

Black (38%)



Cyan (40%)


Magenta (38%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9107, 0.4053, 0.4950 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 30.9107, 0.4053, 0.4950 by changing the saturation by 10% instead.


 30.9107, 0.4053,
0.4950


 30.9107, 0.4053,
0.4950


306.1267, 0.3631,
0.4091

 20.5309, 0.4122,
0.5148


 61.0995, 0.3921,
0.4643

 12.7815, 0.4178,
0.5380


 81.6771, 0.3864,
0.4525


 7.2783, 0.4265,
0.5735


 106.4229, 0.3813,
0.4425

 3.6367, 0.4101,
0.5899

 135.7212, 0.3768,
0.4339

 1.4725, 0.3819,
0.6181

 169.9563, 0.3728,
0.4264

 0.2693, 0.0000,
1.0000

 209.5126, 0.3692,

 0.0000, 0.0000,

0.4199

0.0000

254.7746, 0.3660,
0.4142

■ 30.9107, 0.4053,
0.4950

■ 30.9107, 0.4053,
0.4950

■ 30.7767, 0.4097,
0.5042

■ 31.0897, 0.3984,
0.4816

■ 30.6747, 0.4119,
0.5097

■ 31.3143, 0.3891,
0.4643

■ 30.6525, 0.4123,
0.5108

■ 31.5901, 0.3779,
0.4438

■ 31.9211, 0.3652,
0.4209

■ 32.3105, 0.3515,
0.3967

■ 32.7615, 0.3374,
0.3719

■ 33.2771, 0.3233,
0.3473

■ 33.8600, 0.3096,
0.3236

■ 34.5127, 0.2965,
0.3011

Harmonies

Analogous

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



30.9107, 0.4744, 0.4386



30.9107, 0.4053, 0.4950



30.9107, 0.3175, 0.5038

Triad

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



30.9107, 0.4053, 0.4950



30.9107, 0.1538, 0.2414



30.9107, 0.3814, 0.2485

Complementary

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



30.9107, 0.4053, 0.4950



4.0916, 0.1722, 0.0931

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.



30.9107, 0.2829, 0.2073



30.9107, 0.4053, 0.4950



30.9107, 0.1649, 0.1986

Square

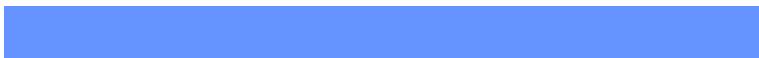
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.9107, 0.4053, 0.4950



30.9107, 0.1755, 0.3253



30.9107, 0.2075, 0.1894



30.9107, 0.4681, 0.3059

Rectangle

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



30.9107, 0.4053, 0.4950



30.9107, 0.2593, 0.4652



30.9107, 0.2075, 0.1894



30.9107, 0.3476, 0.2325

Sweetspot

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



30.9121, 0.4053, 0.4950



58.1896, 0.3455, 0.3862



8.7487, 0.5706, 0.3341



12.7464, 0.3503, 0.3945



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.



30.9121, 0.4053, 0.4950



54.9820, 0.4113, 0.5083



26.5104, 0.3415, 0.5398



7.7065, 0.3255, 0.3512



24.8979, 0.4123, 0.5108



0.4490, 0.4153, 0.5084

Inverse Universe

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



4.0916, 0.1722, 0.0931



4.8527, 0.1546, 0.0658



6.3539, 0.2353, 0.1251



6.4476, 0.2993, 0.3059



2.0150, 0.1517, 0.0609



0.0394, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 30.9107, 0.4053, 0.4950 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9107, 0.4053, 0.4950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

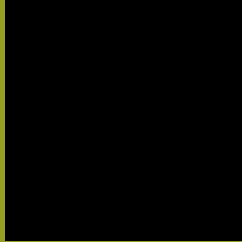
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9107, 0.4053, 0.4950

Background



This preview shows how black text looks on a background with the Yxy color 30.9107, 0.4053, 0.4950.



This preview shows how white text looks on a background with the Yxy color 30.9107, 0.4053, 0.4950.

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

30.9107, 0.4053, 0.4950

Protanopia

30.7948, 0.4316, 0.4759

Deuteranopia

30.6309, 0.4571, 0.4484



Tritanopia

30.7078, 0.3177, 0.3112

Trichromacy



Original Color

30.9107, 0.4053, 0.4950

Protanomaly

30.6845, 0.4218, 0.4833

Deuteranomaly

30.5564, 0.4392, 0.4650

Tritanomaly

30.2740, 0.3577, 0.3869

Monochromacy



Original Color

30.9107, 0.4053, 0.4950

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.9577, 0.3553, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9107, 0.4053, 0.4950 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(152, 157, 35)` looks like.

```
.text, #text, p{  
    color:rgb(152, 157, 35)  
}
```

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(152, 157, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 157, 35) }
```

Border

The CSS property to change the border of an element to Yxy 30.9107, 0.4053, 0.4950 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(152, 157, 35) }
```

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

```
.border{ border-color:rgb(152, 157, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 157, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 157, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 157, 35);  
box-shadow:4px 4px 4px 4px rgb(152, 157,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9107, 0.4053, 0.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 157, 35) }
```

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

```
.background{ background-color: rgb(152,  
157, 35) }
```

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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