

Converting Colors

$Y_{xy}(30.9059, 0.3743, 0.4913)$

Have a look what the booklet for
Yxy(30.9059, 0.3743, 0.4913)
contains.

Yxy(31.0095, 0.3742, 0.4914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.0095, 0.3742, 0.4914)

Conversions

Conversions Part 1

Format	Color
Hex	88A138
RGB	136, 161, 56
RGB Percent	53%, 63%, 22%
CMY	0.4666, 0.3686, 0.7804
CMYK	0.16, 0.00, 0.65, 0.37
HSL	74°, 48%, 43%
HSV	74°, 65%, 63%
XYZ	23.6137, 31.0095, 8.4812
YIQ	141.5550, 18.8050, -37.9550

Conversions

Conversions Part 2

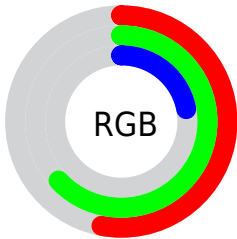
Format	Color
RYB	56, 161, 81
Decimal	8954168
CIELab	62.52, -24.10, 49.96
CIELCh	63, 55.469, 115.758
Yxy	31.0095, 0.3742, 0.4914
Android (android.graphics.Color)	4287144248 (0xFF88A138)
YUV	141.5550, -42.1786, -4.8717
Hunter-Lab	55.6862, -21.7581, 29.9502

Details

The Yxy color **31.0095, 0.3742, 0.4914** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.1496, 0.2125, 0.1352**, and the grayscale version is **27.0307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4009, 0.3661, 0.4587**, and **12.7763, 0.3796, 0.5368** is the 20% darker color. If you saturate the color by 10%, you get **30.5628, 0.3782, 0.5099**, and if you desaturate by 10%, it is **31.5211, 0.3679, 0.4694**.

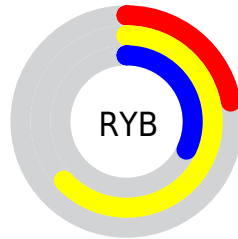
Distribution



Red (53%)

Green (63%)

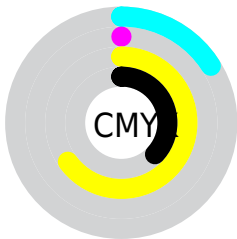
Blue (22%)



Red (22%)

Yellow (63%)

Blue (32%)

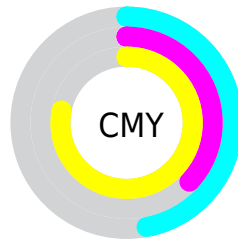


Cyan (16%)

Magenta (0%)

Yellow (65%)

Black (37%)



Cyan (47%)


Magenta (37%)

Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0095, 0.3742, 0.4914 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 31.0095, 0.3742, 0.4914 by changing the saturation by 10% instead.

 31.0095, 0.3742,
0.4914


 31.0095, 0.3742,
0.4914


 306.5821, 0.3467,
0.4037

 20.6061, 0.3784,
0.5140

 61.2550, 0.3658,
0.4586


 12.8364, 0.3815,
0.5425


 81.8659, 0.3621,
0.4465


 7.3160, 0.3835,
0.5826


 106.6481, 0.3588,
0.4364

 3.6605, 0.3725,
0.6275

 135.9860, 0.3558,
0.4278

 1.4855, 0.3290,
0.6710

 170.2639, 0.3531,
0.4204

 0.2785, 0.0000,
1.0000

 209.8663, 0.3508,

 0.0000, 0.0000,

0.4141

0.0000

255.1776, 0.3487,
0.4086

■ 31.0095, 0.3742,
0.4914

■ 31.0095, 0.3742,
0.4914

■ 30.5628, 0.3782,
0.5099

■ 31.5211, 0.3679,
0.4694

■ 30.1716, 0.3798,
0.5242

■ 32.0980, 0.3598,
0.4448

■ 29.8309, 0.3790,
0.5339

■ 32.7455, 0.3502,
0.4188

■ 29.6781, 0.3782,
0.5379

■ 33.4674, 0.3399,
0.3924

■ 34.2670, 0.3291,
0.3664

■ 35.1475, 0.3183,
0.3415

■ 36.1119, 0.3077,
0.3180

■ 37.1629, 0.2976,
0.2961

■ 38.3033, 0.2880,
0.2761

Harmonies

Analogous

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



31.0095, 0.4458, 0.4524



31.0095, 0.3742, 0.4914



31.0095, 0.2910, 0.4739

Triad

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



31.0095, 0.3742, 0.4914



31.0095, 0.1645, 0.2313



31.0095, 0.4059, 0.2712

Complementary

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



31.0095, 0.3742, 0.4914



7.1496, 0.2125, 0.1352

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.



31.0095, 0.3148, 0.2262



31.0095, 0.3742, 0.4914



31.0095, 0.1848, 0.2016

Square

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



31.0095, 0.3742, 0.4914



31.0095, 0.1747, 0.2968



31.0095, 0.2355, 0.2015



31.0095, 0.4724, 0.3288

Rectangle

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



31.0095, 0.3742, 0.4914



31.0095, 0.2400, 0.4242



31.0095, 0.2355, 0.2015



31.0095, 0.3762, 0.2543

Sweetspot

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



31.0109, 0.3742, 0.4914



60.6129, 0.3347, 0.3798



13.6729, 0.4897, 0.3655



13.2119, 0.3375, 0.3866



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.



31.0109, 0.3742, 0.4914



54.4258, 0.3792, 0.5165



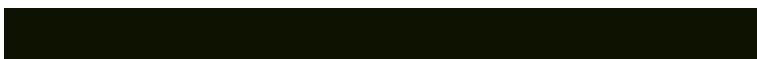
27.6601, 0.3232, 0.5224



8.1520, 0.3227, 0.3515



23.7221, 0.3786, 0.5376



0.5180, 0.3943, 0.5252

Inverse Universe

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



7.1496, 0.2125, 0.1352



8.4850, 0.1889, 0.0988



10.3876, 0.2794, 0.1657



6.9375, 0.3022, 0.3060



2.4053, 0.1647, 0.0681



0.0706, 0.2007, 0.0879

Previews

White Background



This preview shows how the Yxy color 31.0095, 0.3742, 0.4914 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 31.0095, 0.3742, 0.4914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

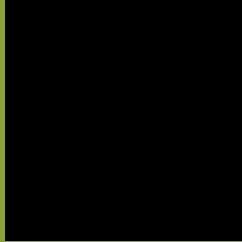
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0095, 0.3742, 0.4914

Background



This preview shows how black text looks on a background with the Yxy color 31.0095, 0.3742, 0.4914.



This preview shows how white text looks on a background with the Yxy color 31.0095, 0.3742, 0.4914.

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

31.0095, 0.3742, 0.4914

Protanopia

30.8253, 0.4206, 0.4619

Deuteranopia

30.5575, 0.4420, 0.4331



Tritanopia

31.0735, 0.2988, 0.3106

Trichromacy



Original Color

31.0095, 0.3742, 0.4914

Protanomaly

30.8771, 0.4030, 0.4733

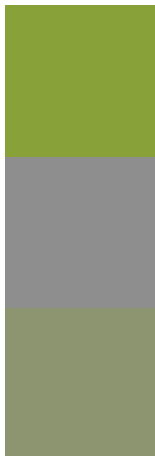
Deuteranomaly

30.4638, 0.4159, 0.4545

Tritanomaly

30.8272, 0.3304, 0.3792

Monochromacy



Original Color

31.0095, 0.3742, 0.4914

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.2180, 0.3401, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0095, 0.3742, 0.4914 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(136, 161, 56)` looks like.

```
.text, #text, p{  
    color:rgb(136, 161, 56)  
}
```

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(136, 161, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 161, 56) }
```

Border

The CSS property to change the border of an element to Yxy 31.0095, 0.3742, 0.4914 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(136, 161, 56) }
```

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

```
.border{ border-color:rgb(136, 161, 56) }
```

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

Here you see how a box with a 4 pixel rgb(136, 161, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 161, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 161, 56);  
box-shadow:4px 4px 4px 4px rgb(136, 161,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0095, 0.3742, 0.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 161, 56) }
```

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

```
.background{ background-color: rgb(136,  
161, 56) }
```

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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