

Converting Colors

$Y_{xy}(27.2335, 0.3881, 0.4788)$

Have a look what the booklet for
Yxy(27.2335, 0.3881, 0.4788)
contains.

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Color

Yxy(27.2502, 0.3877, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	8B9536
RGB	139, 149, 54
RGB Percent	55%, 58%, 21%
CMY	0.4549, 0.4157, 0.7881
CMYK	0.07, 0.00, 0.64, 0.42
HSL	66°, 47%, 40%
HSV	66°, 64%, 58%
XYZ	22.0608, 27.2502, 7.5907
YIQ	135.1800, 24.5350, -31.6650

Conversions

Conversions Part 2

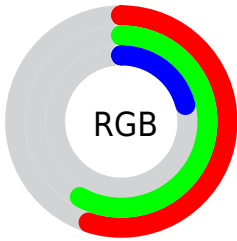
Format	Color
RYB	54, 149, 64
Decimal	9147702
CIELab	59.21, -16.88, 47.35
CIELCh	59, 50.271, 109.624
Yxy	27.2502, 0.3877, 0.4789
Android (android.graphics.Color)	4287337782 (0xFF8B9536)
YUV	135.1800, -40.0217, 3.3501
Hunter-Lab	52.2017, -15.9178, 27.9198

Details

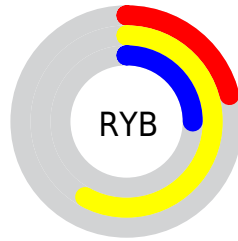
The Yxy color **27.2502, 0.3877, 0.4789** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.9027, 0.2020, 0.1345**, and the grayscale version is **24.4451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3339, 0.3763, 0.4486**, and **10.7138, 0.3992, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **26.9980, 0.3945, 0.4953**, and if you desaturate by 10%, it is **27.5498, 0.3787, 0.4590**.

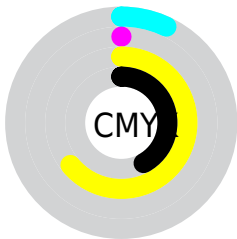
Distribution



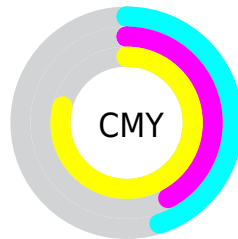
- Red (55%)
- Green (58%)
- Blue (21%)



- Red (21%)
- Yellow (58%)
- Blue (25%)



- Cyan (7%)
- Magenta (0%)
- Yellow (64%)
- Black (42%)





- Cyan (45%)
- Magenta (42%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2502, 0.3877, 0.4789 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 27.2502, 0.3877, 0.4789 by changing the saturation by 10% instead.

 27.2502, 0.3877,
0.4789


 27.2502, 0.3877,
0.4789


288.8665, 0.3516,
0.3975

 17.7612, 0.3946,
0.4999


 55.2851, 0.3757,
0.4484


 10.7787, 0.4011,
0.5262


 74.5998, 0.3708,
0.4371

 5.9182, 0.4116,
0.5683

 97.9585, 0.3665,
0.4278

 2.7954, 0.4002,
0.5998

 125.7457, 0.3627,
0.4198

 1.0259, 0.3517,
0.6483

 158.3457, 0.3594,
0.4130

 0.0000, 0.0000,
0.0000

 196.1429, 0.3565,

0.4071

239.5217, 0.3539,
0.4020

■ 27.2502, 0.3877,
0.4789

■ 27.2502, 0.3877,
0.4789

■ 26.9980, 0.3945,
0.4953

■ 27.5498, 0.3787,
0.4590

■ 26.7852, 0.3988,
0.5076

■ 27.8965, 0.3680,
0.4365

■ 26.6084, 0.4007,
0.5157

■ 28.2949, 0.3560,
0.4122

■ 26.5073, 0.4012,
0.5196

■ 28.7477, 0.3433,
0.3872

■ 29.2578, 0.3303,
0.3621

■ 29.8275, 0.3174,
0.3378

■ 30.4593, 0.3050,
0.3146

■ 31.1553, 0.2932,
0.2929

■ 31.9177, 0.2821,
0.2728

Harmonies

Analogous

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



27.2502, 0.4508, 0.4367



27.2502, 0.3877, 0.4789



27.2502, 0.3091, 0.4741

Triad

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



27.2502, 0.3877, 0.4789



27.2502, 0.1705, 0.2464



27.2502, 0.3841, 0.2640

Complementary

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



27.2502, 0.3877, 0.4789



5.9027, 0.2020, 0.1345

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.



27.2502, 0.2978, 0.2242



27.2502, 0.3877, 0.4789



27.2502, 0.1841, 0.2108

Square

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



27.2502, 0.3877, 0.4789



27.2502, 0.1871, 0.3161



27.2502, 0.2269, 0.2050



27.2502, 0.4546, 0.3177

Rectangle

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



27.2502, 0.3877, 0.4789



27.2502, 0.2582, 0.4352



27.2502, 0.2269, 0.2050



27.2502, 0.3553, 0.2487

Sweetspot

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



27.2514, 0.3877, 0.4789



51.8650, 0.3376, 0.3762



10.2705, 0.4984, 0.3443



11.4426, 0.3410, 0.3827



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.2514, 0.3877, 0.4789



48.1938, 0.3964, 0.5005



24.0393, 0.3356, 0.5096



6.7140, 0.3244, 0.3510



22.3158, 0.4014, 0.5195



0.2803, 0.4108, 0.5120

Inverse Universe

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



5.9027, 0.2020, 0.1345



6.9055, 0.1784, 0.0970



8.1919, 0.2618, 0.1612



5.6605, 0.3004, 0.3063



1.9238, 0.1547, 0.0626



0.0293, 0.1762, 0.0744

Previews

White Background



This preview shows how the Yxy color 27.2502, 0.3877, 0.4789 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 27.2502, 0.3877, 0.4789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

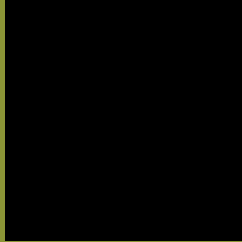
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2502, 0.3877, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 27.2502, 0.3877, 0.4789.



This preview shows how white text looks on a background with the Yxy color 27.2502, 0.3877, 0.4789.

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

27.2502, 0.3877, 0.4789

Protanopia

27.2638, 0.4178, 0.4604

Deuteranopia

26.9805, 0.4424, 0.4331



Tritanopia

27.0568, 0.3125, 0.3116

Trichromacy



Original Color

27.2502, 0.3877, 0.4789

Protanomaly

27.1832, 0.4071, 0.4665

Deuteranomaly

26.8381, 0.4219, 0.4489

Tritanomaly

26.9025, 0.3434, 0.3757

Monochromacy



Original Color

27.2502, 0.3877, 0.4789

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.0310, 0.3433, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2502, 0.3877, 0.4789 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(139, 149, 54)` looks like.

```
.text, #text, p{  
    color:rgb(139, 149, 54)  
}
```

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(139, 149, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 149, 54) }
```

Border

The CSS property to change the border of an element to Yxy 27.2502, 0.3877, 0.4789 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(139, 149, 54) }
```

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

```
.border{ border-color:rgb(139, 149, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 149, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 149, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 149, 54);  
box-shadow:4px 4px 4px 4px rgb(139, 149,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2502, 0.3877, 0.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 149, 54) }
```

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

```
.background{ background-color: rgb(139,  
149, 54) }
```

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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