

Converting Colors

$Y_{xy}(27.1879, 0.4092, 0.4698)$

Have a look what the booklet for
Yxy(27.1879, 0.4092, 0.4698)
contains.

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Color

Yxy(27.1565, 0.4090, 0.4697)

Conversions

Conversions Part 1

Format	Color
Hex	989132
RGB	152, 145, 50
RGB Percent	60%, 57%, 20%
CMY	0.4040, 0.4313, 0.8039
CMYK	0.00, 0.05, 0.67, 0.40
HSL	56°, 50%, 40%
HSV	56°, 67%, 60%
XYZ	23.6470, 27.1565, 7.0132
YIQ	136.2630, 34.6670, -28.0610

Conversions

Conversions Part 2

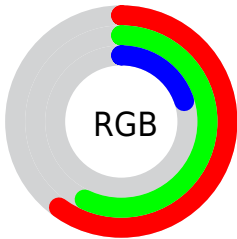
Format	Color
R_{YB}	58, 152, 50
Decimal	9998642
CIE _{Lab}	59.12, -9.32, 49.34
CIE _{LCh}	59, 50.217, 100.691
Yxy	27.1565, 0.4090, 0.4697
Android (android.graphics.Color)	4288188722 (0xFF989132)
YUV	136.2630, -42.5277, 13.8013
Hunter-Lab	52.1119, -10.1972, 28.4991

Details

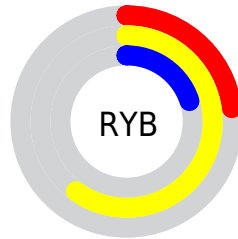
The Yxy color **27.1565, 0.4090, 0.4697** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.8679, 0.1889, 0.1313**, and the grayscale version is **24.8771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3615, 0.3925, 0.4424**, and **10.7811, 0.4244, 0.5012** is the 20% darker color. If you saturate the color by 10%, you get **26.7317, 0.4186, 0.4820**, and if you desaturate by 10%, it is **27.6303, 0.3972, 0.4536**.

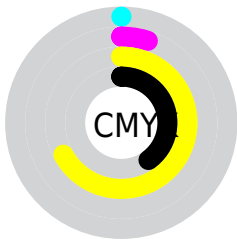
Distribution



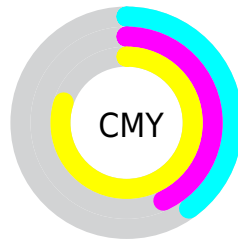
- Red (60%)
- Green (57%)
- Blue (20%)



- Red (23%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (5%)
- Yellow (67%)
- Black (40%)





- Cyan (40%)
- Magenta (43%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1565, 0.4090, 0.4697 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 27.1565, 0.4090, 0.4697 by changing the saturation by 10% instead.

 27.1565, 0.4090,
0.4697


 27.1565, 0.4090,
0.4697


288.4141, 0.3613,
0.3955


 17.6908, 0.4189,
0.4876


 55.1349, 0.3927,
0.4426


 10.7282, 0.4292,
0.5092


 74.4164, 0.3861,
0.4324

 5.8844, 0.4481,
0.5463


 97.7386, 0.3805,
0.4238

 2.7749, 0.4400,
0.5600

 125.4859, 0.3756,
0.4164

 1.0154, 0.4189,
0.5811

 158.0427, 0.3713,
0.4100

 0.0000, 0.0000,
0.0000

 195.7934, 0.3676,

0.4045

239.1224, 0.3643,
0.3997

■ 27.1565, 0.4090,
0.4697

■ 27.1565, 0.4090,
0.4697

■ 26.7317, 0.4186,
0.4820

■ 27.6303, 0.3972,
0.4536

■ 26.3476, 0.4257,
0.4902

■ 28.1531, 0.3836,
0.4345

■ 25.9980, 0.4304,
0.4945

■ 28.7298, 0.3688,
0.4131

■ 25.8989, 0.4316,
0.4955

■ 29.3634, 0.3535,
0.3905

■ 30.0569, 0.3381,
0.3675

■ 30.8129, 0.3230,
0.3447

■ 31.6340, 0.3086,
0.3227

■ 32.5225, 0.2951,
0.3019

■ 33.4807, 0.2826,
0.2824

Harmonies

Analogous

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



27.1565, 0.4636, 0.4198



27.1565, 0.4090, 0.4697



27.1565, 0.3329, 0.4823

Triad

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



27.1565, 0.4090, 0.4697



27.1565, 0.1721, 0.2636



27.1565, 0.3584, 0.2503

Complementary

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



27.1565, 0.4090, 0.4697



5.8679, 0.1889, 0.1313

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.



27.1565, 0.2742, 0.2161



27.1565, 0.4090, 0.4697



27.1565, 0.1770, 0.2180

Square

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



27.1565, 0.4090, 0.4697



27.1565, 0.1982, 0.3425



27.1565, 0.2111, 0.2040



27.1565, 0.4375, 0.3008

Rectangle

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



27.1565, 0.4090, 0.4697



27.1565, 0.2802, 0.4558



27.1565, 0.2111, 0.2040



27.1565, 0.3292, 0.2367

Sweetspot

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



27.1578, 0.4090, 0.4697



52.6554, 0.3431, 0.3751



9.2655, 0.5089, 0.3173



11.8957, 0.3471, 0.3811



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.



27.1578, 0.4090, 0.4697



46.8191, 0.4228, 0.4870



25.9619, 0.3548, 0.5071



7.1506, 0.3262, 0.3495



21.7408, 0.4315, 0.4956



0.3437, 0.4255, 0.5003

Inverse Universe

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



5.8679, 0.1889, 0.1313



6.5285, 0.1658, 0.0914



6.8487, 0.2322, 0.1411



6.0908, 0.2988, 0.3076



2.1088, 0.1516, 0.0659



0.0473, 0.1594, 0.0937

Previews

White Background



This preview shows how the Yxy color 27.1565, 0.4090, 0.4697 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 27.1565, 0.4090, 0.4697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

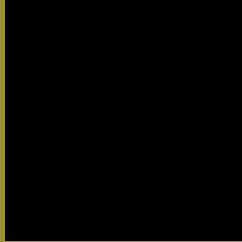
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1565, 0.4090, 0.4697

Background



This preview shows how black text looks on a background with the Yxy color 27.1565, 0.4090, 0.4697.



This preview shows how white text looks on a background with the Yxy color 27.1565, 0.4090, 0.4697.

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

27.1565, 0.4090, 0.4697

Protanopia

27.2376, 0.4198, 0.4634

Deuteranopia

26.9321, 0.4462, 0.4380



Tritanopia

27.1572, 0.3291, 0.3137

Trichromacy



Original Color

27.1565, 0.4090, 0.4697

Protanomaly

27.2362, 0.4153, 0.4667

Deuteranomaly

27.0380, 0.4324, 0.4496

Tritanomaly

26.7810, 0.3631, 0.3739

Monochromacy



Original Color

27.1565, 0.4090, 0.4697

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.2359, 0.3518, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1565, 0.4090, 0.4697 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, 145, 50)` looks like.

```
.text, #text, p{  
    color:rgb(152, 145, 50)  
}
```

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, 145, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 145, 50) }
```

Border

The CSS property to change the border of an element to Yxy 27.1565, 0.4090, 0.4697 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, 145, 50) }
```

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

```
.border{ border-color:rgb(152, 145, 50) }
```

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

Here you see how a box with a 4 pixel rgb(152, 145, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 145, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 145, 50);  
box-shadow:4px 4px 4px 4px rgb(152, 145,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1565, 0.4090, 0.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 145, 50) }
```

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

```
.background{ background-color: rgb(152,  
145, 50) }
```

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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