

Converting Colors

$Y_{xy}(29.2382, 0.3582, 0.4424)$

Have a look what the booklet for
Yxy(29.2382, 0.3582, 0.4424)
contains.

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Color

Yxy(29.1015, 0.3578, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	899A56
RGB	137, 154, 86
RGB Percent	54%, 60%, 34%
CMY	0.4626, 0.3961, 0.6627
CMYK	0.11, 0.00, 0.44, 0.40
HSL	75°, 28%, 47%
HSV	75°, 44%, 60%
XYZ	23.5577, 29.1015, 13.1813
YIQ	141.1650, 11.6960, -24.7520

Conversions

Conversions Part 2

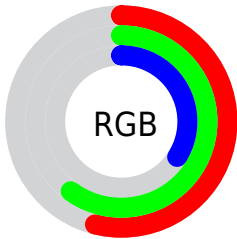
Format	Color
R_{YB}	86, 154, 103
Decimal	9017942
CIE _{Lab}	60.87, -17.26, 33.60
CIE _{LCh}	61, 37.775, 117.197
Yxy	29.1015, 0.3578, 0.4420
Android (android.graphics.Color)	4287208022 (0xFF899A56)
YUV	141.1650, -27.1963, -3.6527
Hunter-Lab	53.9458, -16.4555, 23.2750

Details

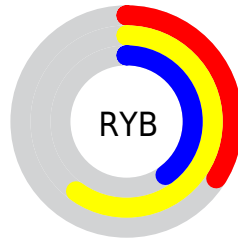
The Yxy color **29.1015, 0.3578, 0.4420** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.8709, 0.2513, 0.2022**, and the grayscale version is **26.8132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9943, 0.3497, 0.4177**, and **11.8189, 0.3690, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **28.5619, 0.3659, 0.4669**, and if you desaturate by 10%, it is **29.7087, 0.3484, 0.4159**.

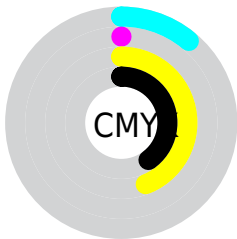
Distribution



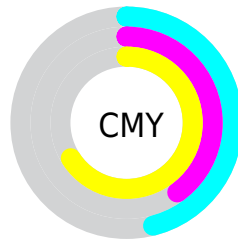
- Red (54%)
- Green (60%)
- Blue (34%)



- Red (34%)
- Yellow (60%)
- Blue (40%)



- Cyan (11%)
- Magenta (0%)
- Yellow (44%)
- Black (40%)





- Cyan (46%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1015, 0.3578, 0.4420 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 29.1015, 0.3578, 0.4420 by changing the saturation by 10% instead.

 29.1015, 0.3578,
0.4420


 29.1015, 0.3578,
0.4420


297.6936, 0.3355,
0.3797


 19.1576, 0.3627,
0.4593


 58.2383, 0.3500,
0.4180


 11.7842, 0.3683,
0.4825


 78.2000, 0.3470,
0.4094


 6.5969, 0.3740,
0.5144


 102.2698, 0.3444,
0.4023

 3.2113, 0.3902,
0.5797

 130.8321, 0.3421,
0.3963

 1.2430, 0.3676,
0.6324

 164.2712, 0.3401,
0.3912

 0.0964, 0.0000,
1.0000

202.9715, 0.3384,

 0.0000, 0.0000,

0.3868

0.0000

247.3175, 0.3369,
0.3830

■ 29.1015, 0.3578,
0.4420

■ 29.1015, 0.3578,
0.4420

■ 28.5619, 0.3659,
0.4669

■ 29.7087, 0.3484,
0.4159

■ 28.0824, 0.3722,
0.4894

■ 30.3830, 0.3382,
0.3895

■ 27.6604, 0.3764,
0.5086

■ 31.1285, 0.3276,
0.3636

■ 27.2913, 0.3781,
0.5237

■ 31.9482, 0.3170,
0.3388


■ 26.9696, 0.3774,
0.5342

■ 32.8448, 0.3067,
0.3156

 26.7946, 0.3765,
0.5393

 33.8207, 0.2968,
0.2940

 34.8783, 0.2875,
0.2743

 36.0199, 0.2788,
0.2563

 37.2477, 0.2707,
0.2400

Harmonies

Analogous

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



29.1015, 0.4087, 0.4228



29.1015, 0.3578, 0.4420



29.1015, 0.2976, 0.4236

Triad

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



29.1015, 0.3578, 0.4420



29.1015, 0.2034, 0.2591



29.1015, 0.3809, 0.2900

Complementary

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



29.1015, 0.3578, 0.4420



11.8709, 0.2513, 0.2022

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.



29.1015, 0.3186, 0.2547



29.1015, 0.3578, 0.4420



29.1015, 0.2203, 0.2357

Square

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



29.1015, 0.3578, 0.4420



29.1015, 0.2114, 0.3066



29.1015, 0.2604, 0.2352



29.1015, 0.4253, 0.3349

Rectangle

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



29.1015, 0.3578, 0.4420



29.1015, 0.2604, 0.3902



29.1015, 0.2604, 0.2352



29.1015, 0.3610, 0.2768

Sweetspot

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



29.1028, 0.3578, 0.4420



56.6806, 0.3267, 0.3614



17.0189, 0.4129, 0.3559



12.7624, 0.3289, 0.3667



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.



29.1028, 0.3578, 0.4420



51.8989, 0.3658, 0.4667



26.7319, 0.3232, 0.4557



7.1454, 0.3224, 0.3512



21.8502, 0.3768, 0.5390



0.3433, 0.3970, 0.5230

Inverse Universe

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



11.8709, 0.2513, 0.2022



16.4517, 0.2339, 0.1704



14.2127, 0.2932, 0.2160



6.0970, 0.3025, 0.3063



2.2575, 0.1662, 0.0689



0.0489, 0.2069, 0.0913

Previews

White Background



This preview shows how the Yxy color 29.1015, 0.3578, 0.4420 looks on a white background.

Color Contrast Check

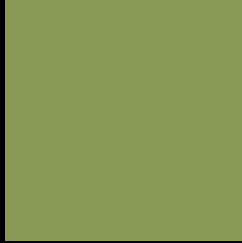
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1015, 0.3578, 0.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

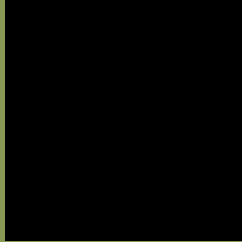
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1015, 0.3578, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 29.1015, 0.3578, 0.4420.



This preview shows how white text looks on a background with the Yxy color 29.1015, 0.3578, 0.4420.

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

29.1015, 0.3578, 0.4420

Protanopia

29.0690, 0.3917, 0.4265

Deuteranopia

28.9424, 0.4105, 0.4022



Tritanopia

29.1031, 0.3023, 0.3118

Trichromacy



Original Color

29.1015, 0.3578, 0.4420

Protanomaly

29.1282, 0.3785, 0.4331

Deuteranomaly

28.7419, 0.3907, 0.4160

Tritanomaly

28.9732, 0.3238, 0.3584

Monochromacy



Original Color

29.1015, 0.3578, 0.4420

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.5137, 0.3310, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1015, 0.3578, 0.4420 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(137, 154, 86)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 86)  
}
```

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(137, 154, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 86) }
```

Border

The CSS property to change the border of an element to Yxy 29.1015, 0.3578, 0.4420 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(137, 154, 86) }
```

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

```
.border{ border-color:rgb(137, 154, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 86);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1015, 0.3578, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 86) }
```

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

```
.background{ background-color: rgb(137,  
154, 86) }
```

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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