

Converting Colors

$Y_{xy}(29.0635, 0.3544, 0.4578)$

Have a look what the booklet for
Yxy(29.0635, 0.3544, 0.4578)
contains.

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Color

$\text{Yxy}(29.1019, 0.3541, 0.4571)$

Conversions

Conversions Part 1

Format	Color
Hex	829C50
RGB	130, 156, 80
RGB Percent	51%, 61%, 31%
CMY	0.4901, 0.3882, 0.6862
CMYK	0.17, 0.00, 0.49, 0.39
HSL	81°, 32%, 46%
HSV	81°, 49%, 61%
XYZ	22.5443, 29.1019, 12.0202
YIQ	139.5620, 8.9000, -29.1480

Conversions

Conversions Part 2

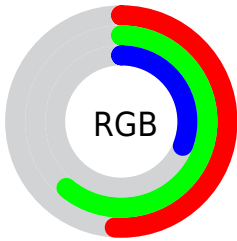
Format	Color
RYB	80, 156, 106
Decimal	8559696
CIELab	60.87, -21.84, 36.59
CIELCh	61, 42.614, 120.825
Yxy	29.1019, 0.3541, 0.4571
Android (android.graphics.Color)	4286749776 (0xFF829C50)
YUV	139.5620, -29.3641, -8.3859
Hunter-Lab	53.9462, -19.8101, 24.5514

Details

The Yxy color $29.1019, 0.3541, 0.4571$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $11.2032, 0.2517, 0.1904$, and the grayscale version is $26.1620, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.4176, 0.3472, 0.4301$, and $11.8643, 0.3623, 0.5043$ is the 20% darker color. If you saturate the color by 10%, you get $28.4876, 0.3598, 0.4827$, and if you desaturate by 10%, it is $29.7942, 0.3468, 0.4300$.

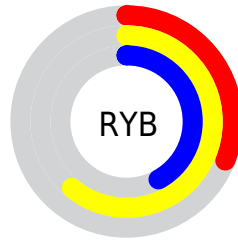
Distribution



Red (51%)

Green (61%)

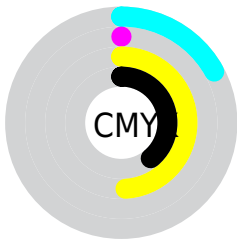
Blue (31%)



Red (31%)

Yellow (61%)

Blue (42%)

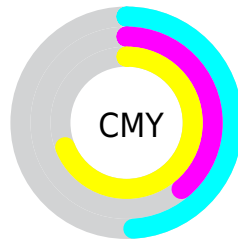


Cyan (17%)

Magenta (0%)

Yellow (49%)

Black (39%)



Cyan (49%)


Magenta (39%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1019, 0.3541, 0.4571 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 29.1019, 0.3541, 0.4571 by changing the saturation by 10% instead.

 29.1019, 0.3541,
0.4571

 29.1019, 0.3541,
0.4571


297.6954, 0.3345,
0.3860


 19.1579, 0.3579,
0.4769


 58.2389, 0.3476,
0.4296

 11.7844, 0.3616,
0.5034

 78.2008, 0.3449,
0.4198


 6.5971, 0.3640,
0.5397


 102.2707, 0.3426,
0.4117

 3.2114, 0.3789,
0.6211

 130.8332, 0.3406,
0.4049

 1.2431, 0.3295,
0.6705

 164.2724, 0.3388,
0.3991

 0.0965, 0.0000,
1.0000

202.9730, 0.3372,

 0.0000, 0.0000,

0.3941

0.0000

247.3192, 0.3358,
0.3898

■ 29.1019, 0.3541,
0.4571

■ 29.1019, 0.3541,
0.4571

■ 28.4876, 0.3598,
0.4827

■ 29.7942, 0.3468,
0.4300

■ 27.9434, 0.3636,
0.5057

■ 30.5643, 0.3386,
0.4026

■ 27.4660, 0.3652,
0.5249

■ 31.4169, 0.3297,
0.3758


■ 27.0500, 0.3643,
0.5396

■ 32.3554, 0.3206,
0.3501


■ 26.6851, 0.3615,
0.5502

■ 33.3826, 0.3116,
0.3260

 26.6400, 0.3611,
0.5515

 34.5014, 0.3028,
0.3037

 35.7146, 0.2945,
0.2834

 37.0246, 0.2866,
0.2649

 38.4340, 0.2793,
0.2483

Harmonies

Analogous

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



29.1019, 0.4136, 0.4376



29.1019, 0.3541, 0.4571



29.1019, 0.2869, 0.4314

Triad

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



29.1019, 0.3541, 0.4571



29.1019, 0.1923, 0.2457



29.1019, 0.3972, 0.2907

Complementary

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



29.1019, 0.3541, 0.4571



11.2032, 0.2517, 0.1904

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.



29.1019, 0.3275, 0.2504



29.1019, 0.3541, 0.4571



29.1019, 0.2139, 0.2238

Square

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



29.1019, 0.3541, 0.4571



29.1019, 0.1974, 0.2950



29.1019, 0.2608, 0.2266



29.1019, 0.4433, 0.3406

Rectangle

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



29.1019, 0.3541, 0.4571



29.1019, 0.2468, 0.3903



29.1019, 0.2608, 0.2266



29.1019, 0.3752, 0.2758

Sweetspot

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



29.1032, 0.3541, 0.4571



57.6264, 0.3266, 0.3668



17.8200, 0.4215, 0.3710



12.6089, 0.3284, 0.3719



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.



29.1032, 0.3541, 0.4571



51.6960, 0.3601, 0.4838



26.6665, 0.3166, 0.4738



7.6067, 0.3211, 0.3514



21.9629, 0.3615, 0.5512



0.4152, 0.3858, 0.5319

Inverse Universe

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



11.2032, 0.2517, 0.1904



15.4106, 0.2350, 0.1587



14.0089, 0.3007, 0.2080



6.5400, 0.3038, 0.3063



2.6259, 0.1776, 0.0752



0.0691, 0.2225, 0.1000

Previews

White Background



This preview shows how the Yxy color 29.1019, 0.3541, 0.4571 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 29.1019, 0.3541, 0.4571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

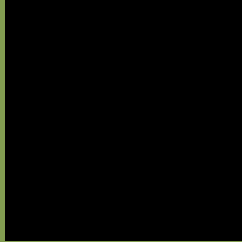
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1019, 0.3541, 0.4571

Background



This preview shows how black text looks on a background with the Yxy color 29.1019, 0.3541, 0.4571.



This preview shows how white text looks on a background with the Yxy color 29.1019, 0.3541, 0.4571.

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

29.1019, 0.3541, 0.4571

Protanopia

29.0846, 0.3982, 0.4342

Deuteranopia

28.8612, 0.4155, 0.4087



Tritanopia

28.9461, 0.2945, 0.3099

Trichromacy



Original Color

29.1019, 0.3541, 0.4571

Protanomaly

28.8468, 0.3814, 0.4426

Deuteranomaly

28.7594, 0.3924, 0.4252

Tritanomaly

28.6586, 0.3173, 0.3624

Monochromacy



Original Color

29.1019, 0.3541, 0.4571

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.1000, 0.3295, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1019, 0.3541, 0.4571 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(130, 156, 80)` looks like.

```
.text, #text, p{  
    color:rgb(130, 156, 80)  
}
```

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(130, 156, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 156, 80) }
```

Border

The CSS property to change the border of an element to Yxy 29.1019, 0.3541, 0.4571 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(130, 156, 80) }
```

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

```
.border{ border-color:rgb(130, 156, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 156, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 156, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 156, 80);  
box-shadow:4px 4px 4px 4px rgb(130, 156,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1019, 0.3541, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 156, 80) }
```

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

```
.background{ background-color: rgb(130,  
156, 80) }
```

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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