

Converting Colors

$Y_{xy}(28.6621, 0.3577, 0.4603)$

Have a look what the booklet for
Yxy(28.6621, 0.3577, 0.4603)
contains.

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Color

Yxy(28.7243, 0.3569, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	829B4D
RGB	130, 155, 77
RGB Percent	51%, 61%, 30%
CMY	0.4903, 0.3921, 0.6981
CMYK	0.16, 0.00, 0.50, 0.39
HSL	79°, 34%, 45%
HSV	79°, 50%, 61%
XYZ	22.2621, 28.7243, 11.3899
YIQ	138.6330, 10.1380, -29.5580

Conversions

Conversions Part 2

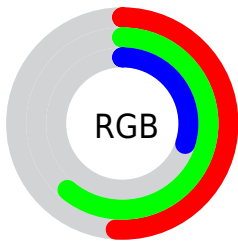
Format	Color
RYB	77, 155, 102
Decimal	8559437
CIELab	60.54, -21.69, 37.73
CIELCh	61, 43.518, 119.901
Yxy	28.7243, 0.3569, 0.4605
Android (android.graphics.Color)	4286749517 (0xFF829B4D)
YUV	138.6330, -30.3851, -7.5711
Hunter-Lab	53.5951, -19.6467, 24.9163

Details

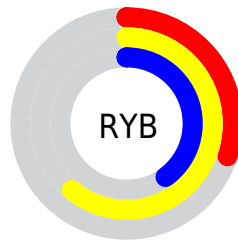
The Yxy color $28.7243, 0.3569, 0.4605$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $10.5005, 0.2472, 0.1847$, and the grayscale version is $25.7840, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.8420, 0.3494, 0.4327$, and $11.6467, 0.3656, 0.5078$ is the 20% darker color. If you saturate the color by 10%, you get $28.1481, 0.3627, 0.4854$, and if you desaturate by 10%, it is $29.3742, 0.3495, 0.4339$.

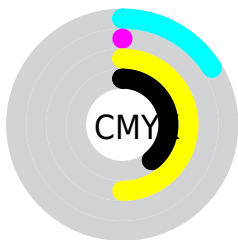
Distribution



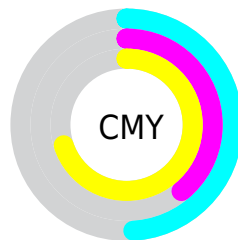
- Red (51%)
- Green (61%)
- Blue (30%)



- Red (30%)
- Yellow (61%)
- Blue (40%)



- Cyan (16%)
- Magenta (0%)
- Yellow (50%)
- Black (39%)



- Cyan (49%)
- Magenta (39%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7243, 0.3569, 0.4605 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 28.7243, 0.3569, 0.4605 by changing the saturation by 10% instead.


 28.7243, 0.3569,
0.4605


 28.7243, 0.3569,
0.4605

295.9119, 0.3359,
0.3875

 18.8724, 0.3609,
0.4808


 57.6388, 0.3499,
0.4323


 11.5781, 0.3649,
0.5078


 77.4701, 0.3471,
0.4222


 6.4571, 0.3672,
0.5446


 101.3966, 0.3446,
0.4139

 3.1250, 0.3786,
0.6214

 129.8028, 0.3424,
0.4069

 1.1973, 0.3260,
0.6740

 163.0731, 0.3405,
0.4010

 0.0595, 0.0000,
1.0000

201.5917, 0.3388,

 0.0000, 0.0000,

0.3959

0.0000

245.7432, 0.3373,
0.3914

■ 28.7243, 0.3569,
0.4605

■ 28.7243, 0.3569,
0.4605

■ 28.1481, 0.3627,
0.4854

■ 29.3742, 0.3495,
0.4339

■ 27.6379, 0.3665,
0.5074

■ 30.0978, 0.3410,
0.4068

■ 27.1902, 0.3680,
0.5256

■ 30.8996, 0.3318,
0.3799

■ 26.8000, 0.3671,
0.5391

■ 31.7828, 0.3224,
0.3541

■ 26.4650, 0.3645,
0.5488

■ 32.7502, 0.3130,
0.3298

■ 33.8048, 0.3039,
0.3072

■ 34.9491, 0.2952,
0.2865

■ 36.1856, 0.2870,
0.2677

■ 37.5167, 0.2793,
0.2507

Harmonies

Analogous

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



28.7243, 0.4174, 0.4388



28.7243, 0.3569, 0.4605



28.7243, 0.2881, 0.4360

Triad

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



28.7243, 0.3569, 0.4605



28.7243, 0.1894, 0.2447



28.7243, 0.3973, 0.2883

Complementary

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



28.7243, 0.3569, 0.4605



10.5005, 0.2472, 0.1847

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.



28.7243, 0.3255, 0.2477



28.7243, 0.3569, 0.4605



28.7243, 0.2106, 0.2217

Square

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



28.7243, 0.3569, 0.4605



28.7243, 0.1954, 0.2959



28.7243, 0.2577, 0.2239



28.7243, 0.4458, 0.3389

Rectangle

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



28.7243, 0.3569, 0.4605



28.7243, 0.2468, 0.3942



28.7243, 0.2577, 0.2239



28.7243, 0.3746, 0.2732

Sweetspot

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



28.7256, 0.3569, 0.4605



56.1061, 0.3271, 0.3668



16.9489, 0.4276, 0.3702



12.6297, 0.3289, 0.3718



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.



28.7256, 0.3569, 0.4605



50.3200, 0.3631, 0.4874



26.2219, 0.3177, 0.4786



7.1234, 0.3214, 0.3513



21.2740, 0.3650, 0.5484



0.3374, 0.3902, 0.5284

Inverse Universe

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



10.5005, 0.2472, 0.1847



14.0104, 0.2293, 0.1518



13.3106, 0.2984, 0.2036



6.1178, 0.3036, 0.3063



2.4594, 0.1749, 0.0737



0.0548, 0.2209, 0.0990

Previews

White Background



This preview shows how the Yxy color 28.7243, 0.3569, 0.4605 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 28.7243, 0.3569, 0.4605 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 28.7243, 0.3569, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 28.7243, 0.3569, 0.4605.



This preview shows how white text looks on a background with the Yxy color 28.7243, 0.3569, 0.4605.

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

28.7243, 0.3569, 0.4605

Protanopia

28.6292, 0.4004, 0.4373

Deuteranopia

28.5243, 0.4192, 0.4113



Tritanopia

28.6018, 0.2954, 0.3099

Trichromacy



Original Color

28.7243, 0.3569, 0.4605

Protanomaly

28.4869, 0.3847, 0.4455

Deuteranomaly

28.4071, 0.3959, 0.4280

Tritanomaly

28.3141, 0.3183, 0.3625

Monochromacy



Original Color

28.7243, 0.3569, 0.4605

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.7460, 0.3318, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7243, 0.3569, 0.4605 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, 155, 77)` looks like.

```
.text, #text, p{  
    color:rgb(130, 155, 77)  
}
```

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, 155, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 155, 77) }
```

Border

The CSS property to change the border of an element to Yxy 28.7243, 0.3569, 0.4605 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, 155, 77) }
```

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

```
.border{ border-color:rgb(130, 155, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 155, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 155, 77); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 155, 77); box-shadow:4px 4px 4px 4px rgb(130, 155, 77) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7243, 0.3569, 0.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 155, 77) }
```

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

```
.background{ background-color: rgb(130,  
155, 77) }
```

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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