

Converting Colors

$Y_{xy}(28.7381, 0.3238, 0.4160)$

Have a look what the booklet for
Yxy(28.7381, 0.3238, 0.4160)
contains.

Yxy(28.6209, 0.3241, 0.4151)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6209, 0.3241, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	7A9B6A
RGB	122, 155, 106
RGB Percent	48%, 61%, 42%
CMY	0.5217, 0.3921, 0.5843
CMYK	0.21, 0.00, 0.32, 0.39
HSL	100°, 20%, 51%
HSV	100°, 32%, 61%
XYZ	22.3465, 28.6209, 17.9820
YIQ	139.5470, -3.9390, -22.2350

Conversions

Conversions Part 2

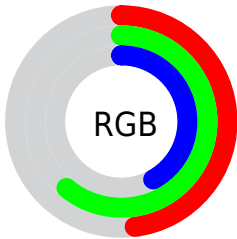
Format	Color
R_{YB}	106, 155, 139
Decimal	8035178
CIE _{Lab}	60.45, -20.91, 22.07
CIE _{LCh}	60, 30.404, 133.447
Yxy	28.6209, 0.3241, 0.4151
Android (android.graphics.Color)	4286225258 (0xFF7A9B6A)
YUV	139.5470, -16.5387, -15.3887
Hunter-Lab	53.4985, -19.0623, 17.5203

Details

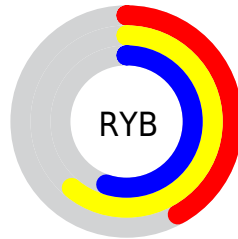
The Yxy color $28.6209, 0.3241, 0.4151$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.1667, 0.2965, 0.2480$, and the grayscale version is $26.1061, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6758, 0.3221, 0.3962$, and $11.5838, 0.3255, 0.4496$ is the 20% darker color. If you saturate the color by 10%, you get $27.6063, 0.3267, 0.4462$, and if you desaturate by 10%, it is $29.7783, 0.3208, 0.3854$.

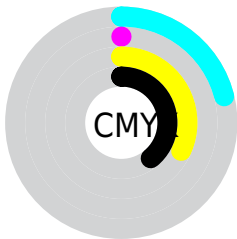
Distribution



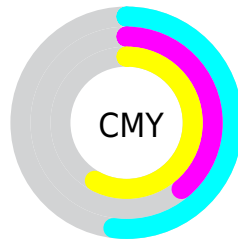
- Red (48%)
- Green (61%)
- Blue (42%)



- Red (42%)
- Yellow (61%)
- Blue (55%)



- Cyan (21%)
- Magenta (0%)
- Yellow (32%)
- Black (39%)




- Cyan (52%)
- Magenta (39%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6209, 0.3241, 0.4151 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 28.6209, 0.3241, 0.4151 by changing the saturation by 10% instead.


 28.6209, 0.3241,
0.4151


 28.6209, 0.3241,
0.4151


295.4220, 0.3190,
0.3668


 18.7942, 0.3249,
0.4292


 57.4742, 0.3225,
0.3961


 11.5217, 0.3256,
0.4486


 77.2697, 0.3218,
0.3895

 6.4189, 0.3256,
0.4770


 101.1568, 0.3212,
0.3840

 3.1014, 0.3231,
0.5218

 129.5201, 0.3207,
0.3794

 1.1849, 0.3319,
0.6681

162.7438, 0.3202,
0.3755

 0.0493, 0.0000,
1.0000

201.2125, 0.3198,

 0.0000, 0.0000,

0.3722

0.0000

245.3104, 0.3194,
0.3693

■ 28.6209, 0.3241,
0.4151

■ 28.6209, 0.3241,
0.4151

■ 27.6063, 0.3267,
0.4462

■ 29.7783, 0.3208,
0.3854

■ 26.7250, 0.3284,
0.4777

■ 31.0800, 0.3172,
0.3579

■ 25.9722, 0.3288,
0.5082


■ 32.5326, 0.3133,
0.3328

■ 25.3411, 0.3277,
0.5358


■ 34.1406, 0.3095,
0.3103

■ 24.8243, 0.3251,
0.5587


■ 35.9089, 0.3057,
0.2902


 24.4134, 0.3211,
0.5757

 37.8416, 0.3020,
0.2724

 24.1373, 0.3173,
0.5862

 39.9432, 0.2985,
0.2567

 42.2176, 0.2953,
0.2428

 44.6688, 0.2922,
0.2306

Harmonies

Analogous

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



28.6209, 0.3713, 0.4169



28.6209, 0.3241, 0.4151



28.6209, 0.2761, 0.3835

Triad

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



28.6209, 0.3241, 0.4151



28.6209, 0.2273, 0.2591



28.6209, 0.3901, 0.3172

Complementary

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



28.6209, 0.3241, 0.4151



18.1667, 0.2965, 0.2480

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.



28.6209, 0.3459, 0.2822



28.6209, 0.3241, 0.4151



28.6209, 0.2525, 0.2493

Square

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



28.6209, 0.3241, 0.4151



28.6209, 0.2228, 0.2886



28.6209, 0.2949, 0.2580



28.6209, 0.4119, 0.3568

Rectangle

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



28.6209, 0.3241, 0.4151



28.6209, 0.2499, 0.3514



28.6209, 0.2949, 0.2580



28.6209, 0.3772, 0.3047

Sweetspot

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



28.6221, 0.3241, 0.4151



56.2639, 0.3163, 0.3515



26.3806, 0.3663, 0.3819



12.6572, 0.3168, 0.3551



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.



28.6221, 0.3241, 0.4151



49.9319, 0.3260, 0.4372



27.7285, 0.3016, 0.4038



7.0185, 0.3163, 0.3517



19.4038, 0.3179, 0.5858



0.3083, 0.3502, 0.5601

Inverse Universe

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



18.1667, 0.2965, 0.2480



28.1676, 0.2917, 0.2287



19.3792, 0.3263, 0.2643



6.2227, 0.3088, 0.3067



4.3084, 0.2418, 0.1105



0.0839, 0.2784, 0.1307

Previews

White Background



This preview shows how the Yxy color 28.6209, 0.3241, 0.4151 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 28.6209, 0.3241, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

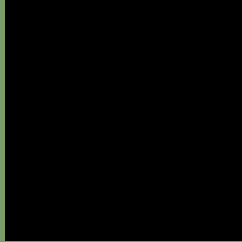
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6209, 0.3241, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 28.6209, 0.3241, 0.4151.



This preview shows how white text looks on a background with the Yxy color 28.6209, 0.3241, 0.4151.

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

28.6209, 0.3241, 0.4151

Protanopia

28.3782, 0.3698, 0.3971

Deuteranopia

28.2273, 0.3817, 0.3743



Tritanopia

28.5432, 0.2851, 0.3095

Trichromacy



Original Color

28.6209, 0.3241, 0.4151

Protanomaly

28.4035, 0.3522, 0.4051

Deuteranomaly

28.1058, 0.3591, 0.3886

Tritanomaly

28.6159, 0.3000, 0.3475

Monochromacy



Original Color

28.6209, 0.3241, 0.4151

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.7959, 0.3166, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6209, 0.3241, 0.4151 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(122, 155, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 155, 106)  
}
```

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(122, 155, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 155, 106) }
```

Border

The CSS property to change the border of an element to Yxy 28.6209, 0.3241, 0.4151 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(122, 155, 106) }
```

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

```
.border{ border-color:rgb(122, 155, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 155, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 155, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 155, 106);  
box-shadow:4px 4px 4px 4px rgb(122, 155,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6209, 0.3241, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 155, 106) }
```

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

```
.background{ background-color: rgb(122,  
155, 106) }
```

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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