

Converting Colors

$Yxy(11.1223, 0.2980, 0.4223)$

Have a look what the booklet for
Yxy(11.1223, 0.2980, 0.4223)
contains.

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Color

Yxy(11.1223, 0.2980, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	3D6745
RGB	61, 103, 69
RGB Percent	24%, 40%, 27%
CMY	0.7609, 0.5961, 0.7293
CMYK	0.41, 0.00, 0.33, 0.60
HSL	131°, 26%, 32%
HSV	131°, 41%, 40%
XYZ	7.8486, 11.1223, 7.3666
YIQ	86.5660, -14.1180, -19.4780

Conversions

Conversions Part 2

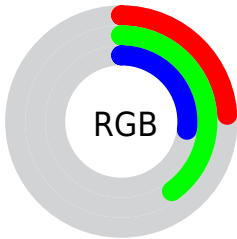
Format	Color
RYB	61, 96, 103
Decimal	4024133
CIELab	39.79, -22.72, 14.69
CIELCh	40, 27.058, 147.125
Yxy	11.1223, 0.2980, 0.4223
Android (android.graphics.Color)	4282214213 (0xFF3D6745)
YUV	86.5660, -8.6600, -22.4214
Hunter-Lab	33.3501, -16.3548, 10.2487

Details

The Yxy color **11.1223, 0.2980, 0.4223** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.0450, 0.3324, 0.2511**, and the grayscale version is **9.4538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7106, 0.3029, 0.3960**, and **2.9841, 0.2858, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **10.7305, 0.2951, 0.4502**, and if you desaturate by 10%, it is **11.5924, 0.3014, 0.3960**.

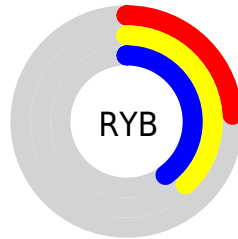
Distribution



Red (24%)

Green (40%)

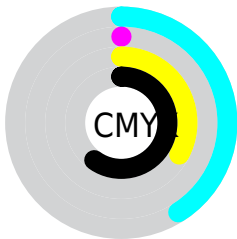
Blue (27%)



Red (24%)

Yellow (38%)

Blue (40%)

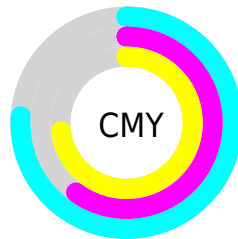


Cyan (41%)

Magenta (0%)

Yellow (33%)

Black (60%)



Cyan (76%)


Magenta (60%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.1223, 0.2980, 0.4223 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 11.1223, 0.2980, 0.4223 by changing the saturation by 10% instead.


 11.1223, 0.2980,
0.4223


 11.1223, 0.2980,
0.4223


198.5047, 0.3084,
0.3623


 6.1492, 0.2932,
0.4453

 27.8861, 0.3030,
0.3957


 2.9360, 0.2845,
0.4829


 40.4455, 0.3044,
0.3874

 1.0984, 0.2752,
0.6364

 56.3025, 0.3055,
0.3809

 0.0000, 0.0000,
0.0000

 75.8415, 0.3063,
0.3757

 99.4468, 0.3070,
0.3714

 127.5028, 0.3075,

0.3679

160.3940, 0.3080,
0.3649

■ 11.1223, 0.2980,
0.4223

■ 11.1223, 0.2980,
0.4223

■ 10.7305, 0.2951,
0.4502

■ 11.5924, 0.3014,
0.3960

■ 10.4113, 0.2929,
0.4788

■ 12.1433, 0.3050,
0.3718

■ 10.1606, 0.2915,
0.5069


■ 12.7790, 0.3087,
0.3499

■ 9.9733, 0.2913,
0.5332

■ 13.5029, 0.3124,
0.3305

■ 9.8433, 0.2921,
0.5561


■ 14.3184, 0.3160,
0.3132

 9.7508, 0.2927,
0.5738

 15.2283, 0.3195,
0.2981

 16.2357, 0.3227,
0.2849

 17.3433, 0.3258,
0.2734

 18.5539, 0.3286,
0.2634

Harmonies

Analogous

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



11.1223, 0.3575, 0.4405



11.1223, 0.2980, 0.4223



11.1223, 0.2454, 0.3693

Triad

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



11.1223, 0.2980, 0.4223



11.1223, 0.2213, 0.2368



11.1223, 0.4237, 0.3348

Complementary

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



11.1223, 0.2980, 0.4223



7.0450, 0.3324, 0.2511

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.



11.1223, 0.3799, 0.2904



11.1223, 0.2980, 0.4223



11.1223, 0.2609, 0.2362

Square

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



11.1223, 0.2980, 0.4223



11.1223, 0.2047, 0.2601



11.1223, 0.3184, 0.2555



11.1223, 0.4333, 0.3816

Rectangle

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



11.1223, 0.2980, 0.4223



11.1223, 0.2209, 0.3270



11.1223, 0.3184, 0.2555



11.1223, 0.4124, 0.3194

Sweetspot

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



11.1228, 0.2980, 0.4223



22.6930, 0.3081, 0.3532



12.4870, 0.3576, 0.4276



5.5116, 0.3078, 0.3550



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.1228, 0.2980, 0.4223



19.2354, 0.2952, 0.4492



11.4259, 0.2742, 0.3640



3.1504, 0.3094, 0.3461



12.2623, 0.2932, 0.5756



63.8531, 0.2954, 0.5836

Inverse Universe

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



7.0450, 0.3324, 0.2511



10.8277, 0.3384, 0.2336



6.7177, 0.3764, 0.2972



2.8805, 0.3162, 0.3125



4.4147, 0.3735, 0.1831



22.9029, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 11.1223, 0.2980, 0.4223 looks on a white 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

Black Background



This preview shows how the Yxy color 11.1223, 0.2980, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

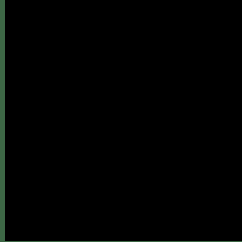
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.1223, 0.2980, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 11.1223, 0.2980, 0.4223.



This preview shows how white text looks on a background with the Yxy color 11.1223, 0.2980, 0.4223.

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

11.1223, 0.2980, 0.4223

Protanopia

10.9771, 0.3683, 0.3950

Deuteranopia

11.0952, 0.3748, 0.3695



Tritanopia

11.0412, 0.2637, 0.3090

Trichromacy



Original Color

11.1223, 0.2980, 0.4223

Protanomaly

10.9212, 0.3394, 0.4075

Deuteranomaly

10.9147, 0.3430, 0.3882

Tritanomaly

11.0629, 0.2755, 0.3471

Monochromacy



Original Color

11.1223, 0.2980, 0.4223

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.0276, 0.3080, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1223, 0.2980, 0.4223 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(61, 103, 69)` looks like.

```
.text, #text, p{  
    color:rgb(61, 103, 69)  
}
```

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(61, 103, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 103, 69) }
```

Border

The CSS property to change the border of an element to Yxy 11.1223, 0.2980, 0.4223 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(61, 103, 69) }
```

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

```
.border{ border-color:rgb(61, 103, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 103, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 103, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 103, 69);  
box-shadow:4px 4px 4px 4px rgb(61, 103,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1223, 0.2980, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 103, 69) }
```

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

```
.background{ background-color: rgb(61, 103,  
69) }
```

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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