

Converting Colors

$Y_{xy}(10.6609, 0.3179, 0.3997)$

Have a look what the booklet for
Yxy(10.6609, 0.3179, 0.3997)
contains.

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Color

$Y_{xy}(10.7681, 0.3182, 0.4000)$

Conversions

Conversions Part 1

Format	Color
Hex	4D6247
RGB	77, 98, 71
RGB Percent	30%, 38%, 28%
CMY	0.6980, 0.6157, 0.7216
CMYK	0.21, 0.00, 0.28, 0.62
HSL	107°, 16%, 33%
HSV	107°, 28%, 38%
XYZ	8.5660, 10.7681, 7.5861
YIQ	88.6430, -3.8490, -12.8490

Conversions

Conversions Part 2

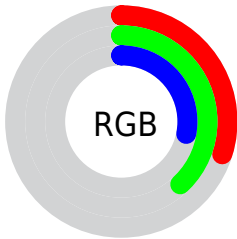
Format	Color
RYB	71, 98, 92
Decimal	5071431
CIELab	39.19, -13.70, 12.85
CIElCh	39, 18.787, 136.831
Yxy	10.7681, 0.3182, 0.4000
Android (android.graphics.Color)	4283261511 (0xFF4D6247)
YUV	88.6430, -8.6980, -10.2109
Hunter-Lab	32.8148, -10.8299, 9.2637

Details

The Yxy color **10.7681, 0.3182, 0.4000** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.6610, 0.3048, 0.2633**, and the grayscale version is **9.9278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2866, 0.3164, 0.3797**, and **2.7539, 0.3192, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **10.3542, 0.3196, 0.4299**, and if you desaturate by 10%, it is **11.2403, 0.3164, 0.3721**.

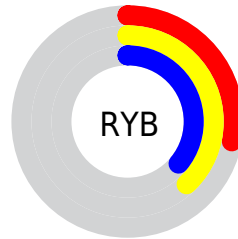
Distribution



 Red (30%)

 Green (38%)

 Blue (28%)



 Red (28%)

 Yellow (38%)

 Blue (36%)

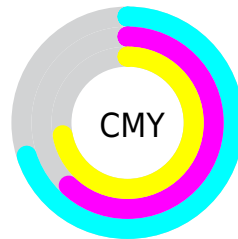


 Cyan (21%)


 Magenta (0%)

 Yellow (28%)

 Black (62%)



 Cyan (70%)


 Magenta (62%)

 Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7681, 0.3182, 0.4000 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 10.7681, 0.3182, 0.4000 by changing the saturation by 10% instead.


 10.7681, 0.3182,
0.4000

 10.7681, 0.3182,
0.4000


196.0696, 0.3155,
0.3547


 5.9111, 0.3185,
0.4171

 27.2305, 0.3174,
0.3801


 2.7911, 0.3182,
0.4447


 39.6048, 0.3170,
0.3738

 1.0237, 0.3390,
0.5490

 55.2536, 0.3166,
0.3689

 0.0000, 0.0000,
0.0000

 74.5613, 0.3164,
0.3649

 97.9124, 0.3161,
0.3617

125.6912, 0.3159,

0.3590

158.2821, 0.3157,
0.3567

■ 10.7681, 0.3182,
0.4000

■ 10.7681, 0.3182,
0.4000

■ 10.3542, 0.3196,
0.4299

■ 11.2403, 0.3164,
0.3721

■ 9.9951, 0.3204,
0.4610

■ 11.7715, 0.3144,
0.3466

■ 9.6887, 0.3205,
0.4921

■ 12.3642, 0.3122,
0.3236

■ 9.4324, 0.3196,
0.5218

■ 13.0204, 0.3100,
0.3032

■ 9.2235, 0.3177,
0.5481

■ 13.7418, 0.3077,
0.2850

■ 9.0589, 0.3150,
0.5695

■ 14.5303, 0.3056,
0.2690

■ 8.9314, 0.3120,
0.5867

■ 15.3875, 0.3036,
0.2549

■ 8.9044, 0.3116,
0.5908

■ 16.3150, 0.3016,
0.2425

■ 17.3144, 0.2998,
0.2315

Harmonies

Analogous

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



10.7681, 0.3594, 0.4053



10.7681, 0.3182, 0.4000



10.7681, 0.2773, 0.3709

Triad

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



10.7681, 0.3182, 0.4000



10.7681, 0.2403, 0.2670



10.7681, 0.3821, 0.3231

Complementary

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



10.7681, 0.3182, 0.4000



7.6610, 0.3048, 0.2633

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.



10.7681, 0.3461, 0.2916



10.7681, 0.3182, 0.4000



10.7681, 0.2644, 0.2599

Square

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



10.7681, 0.3182, 0.4000



10.7681, 0.2342, 0.2911



10.7681, 0.3025, 0.2691



10.7681, 0.3981, 0.3577

Rectangle

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



10.7681, 0.3182, 0.4000



10.7681, 0.2555, 0.3435



10.7681, 0.3025, 0.2691



10.7681, 0.3718, 0.3119

Sweetspot

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



10.7686, 0.3182, 0.4000



20.5624, 0.3145, 0.3483



10.6535, 0.3548, 0.3789



4.8614, 0.3147, 0.3510



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.7686, 0.3182, 0.4000



18.3935, 0.3191, 0.4190



10.6274, 0.2999, 0.3819



2.8806, 0.3146, 0.3498



11.8395, 0.3107, 0.5915



62.9131, 0.3075, 0.5941

Inverse Universe

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



7.6610, 0.3048, 0.2633



11.9692, 0.3024, 0.2473



7.8536, 0.3286, 0.2814



2.6024, 0.3106, 0.3087



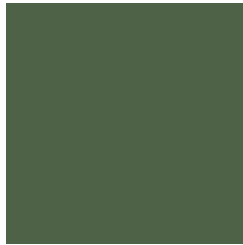
3.2091, 0.2674, 0.1247



16.7427, 0.2641, 0.1229

Previews

White Background



This preview shows how the Yxy color 10.7681, 0.3182, 0.4000 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 10.7681, 0.3182, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

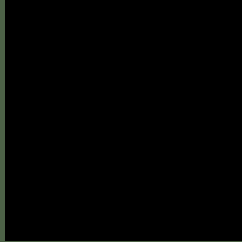
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

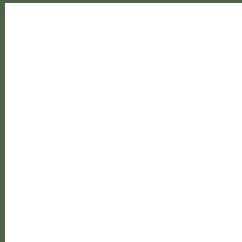
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.7681, 0.3182, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 10.7681, 0.3182, 0.4000.



This preview shows how white text looks on a background with the Yxy color 10.7681, 0.3182, 0.4000.

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

10.7681, 0.3182, 0.4000

Protanopia

10.7243, 0.3609, 0.3864

Deuteranopia

10.5863, 0.3693, 0.3635



Tritanopia

10.7586, 0.2842, 0.3095

Trichromacy



Original Color

10.7681, 0.3182, 0.4000

Protanomaly

10.6592, 0.3447, 0.3913

Deuteranomaly

10.6090, 0.3496, 0.3777

Tritanomaly

10.6452, 0.2959, 0.3391

Monochromacy



Original Color

10.7681, 0.3182, 0.4000

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.1948, 0.3163, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7681, 0.3182, 0.4000 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(77, 98, 71)` looks like.

```
.text, #text, p{  
    color:rgb(77, 98, 71)  
}
```

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(77, 98, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 98, 71) }
```

Border

The CSS property to change the border of an element to Yxy 10.7681, 0.3182, 0.4000 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(77, 98, 71) }
```

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

```
.border{ border-color:rgb(77, 98, 71) }
```

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

Here you see how a box with a 4 pixel rgb(77, 98, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 98, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 98, 71);  
box-shadow:4px 4px 4px 4px rgb(77, 98, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7681, 0.3182, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 98, 71) }
```

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

```
.background{ background-color: rgb(77, 98,  
71) }
```

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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