

Converting Colors

$Y_{xy}(12.8827, 0.3444, 0.4100)$

Have a look what the booklet for
Yxy(12.8827, 0.3444, 0.4100)
contains.

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Color

Yxy(12.9782, 0.3444, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	5F6946
RGB	95, 105, 70
RGB Percent	37%, 41%, 27%
CMY	0.6275, 0.5882, 0.7255
CMYK	0.10, 0.00, 0.33, 0.59
HSL	77°, 20%, 34%
HSV	77°, 33%, 41%
XYZ	10.8752, 12.9782, 7.7238
YIQ	98.0200, 5.2750, -13.0050

Conversions

Conversions Part 2

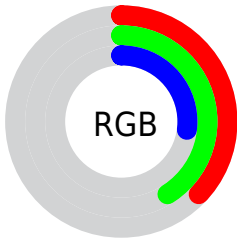
Format	Color
RYB	70, 105, 80
Decimal	6252870
CIELab	42.73, -10.41, 18.47
CIELCh	43, 21.200, 119.412
Yxy	12.9782, 0.3444, 0.4110
Android (android.graphics.Color)	4284442950 (0xFF5F6946)
YUV	98.0200, -13.8139, -2.6485
Hunter-Lab	36.0253, -9.1594, 12.5060

Details

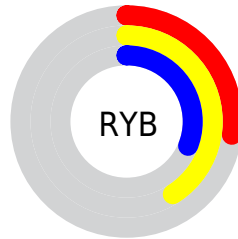
The Yxy color **12.9782, 0.3444, 0.4110** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1043, 0.2731, 0.2411**, and the grayscale version is **12.2529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2198, 0.3370, 0.3886**, and **3.7291, 0.3563, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **12.6998, 0.3530, 0.4367**, and if you desaturate by 10%, it is **13.2871, 0.3351, 0.3853**.

Distribution



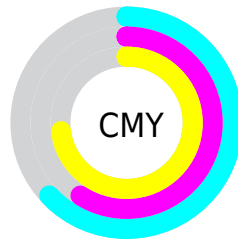
- Red (37%)
- Green (41%)
- Blue (27%)



- Red (27%)
- Yellow (41%)
- Blue (31%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (59%)



- Cyan (63%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9782, 0.3444, 0.4110 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 12.9782, 0.3444, 0.4110 by changing the saturation by 10% instead.


 12.9782, 0.3444,
0.4110


 12.9782, 0.3444,
0.4110


210.7779, 0.3261,
0.3604


 7.4135, 0.3498,
0.4286


 31.2646, 0.3371,
0.3894


 3.7220, 0.3568,
0.4554

 44.7552, 0.3346,
0.3824


 1.5193, 0.3863,
0.5290

 61.6564, 0.3325,
0.3768

 0.3023, 0.0988,
0.9012

 82.3529, 0.3308,
0.3723

 0.0000, 0.0000,
0.0000

 107.2288, 0.3293,
0.3685

136.6687, 0.3281,

0.3654

171.0570, 0.3270,
0.3627

■ 12.9782, 0.3444,
0.4110

■ 12.9782, 0.3444,
0.4110

■ 12.6998, 0.3530,
0.4367

■ 13.2871, 0.3351,
0.3853

■ 12.4490, 0.3606,
0.4616

■ 13.6260, 0.3255,
0.3604

■ 12.2249, 0.3666,
0.4848

■ 13.9967, 0.3159,
0.3366

■ 12.0261, 0.3708,
0.5052

■ 14.4000, 0.3065,
0.3144

■ 11.8507, 0.3727,
0.5219

■ 14.8372, 0.2975,
0.2938

■ 11.6962, 0.3725,
0.5347

■ 15.3090, 0.2890,
0.2749

■ 11.5991, 0.3721,
0.5428

■ 15.8164, 0.2810,
0.2576

■ 16.3604, 0.2736,
0.2420

■ 16.9417, 0.2667,
0.2279

Harmonies

Analogous

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



12.9782, 0.3825, 0.4014



12.9782, 0.3444, 0.4110



12.9782, 0.2994, 0.3943

Triad

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



12.9782, 0.3444, 0.4110



12.9782, 0.2301, 0.2759



12.9782, 0.3660, 0.3025

Complementary

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



12.9782, 0.3444, 0.4110



7.1043, 0.2731, 0.2411

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.



12.9782, 0.3212, 0.2742



12.9782, 0.3444, 0.4110



12.9782, 0.2447, 0.2581

Square

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



12.9782, 0.3444, 0.4110



12.9782, 0.2353, 0.3108



12.9782, 0.2770, 0.2582



12.9782, 0.3966, 0.3378

Rectangle

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



12.9782, 0.3444, 0.4110



12.9782, 0.2718, 0.3700



12.9782, 0.2770, 0.2582



12.9782, 0.3519, 0.2920

Sweetspot

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



12.9788, 0.3444, 0.4110



24.5932, 0.3225, 0.3530



9.1696, 0.3765, 0.3526



5.7455, 0.3235, 0.3554



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.



12.9788, 0.3444, 0.4110



22.8433, 0.3512, 0.4311



12.1482, 0.3188, 0.4180



3.5422, 0.3213, 0.3499



14.6659, 0.3715, 0.5432



74.2724, 0.3688, 0.5454

Inverse Universe

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



7.1043, 0.2731, 0.2411



10.5724, 0.2616, 0.2176



7.9631, 0.3029, 0.2483



3.0632, 0.3037, 0.3078



1.6239, 0.1719, 0.0721



7.8832, 0.1670, 0.0694

Previews

White Background



This preview shows how the Yxy color 12.9782, 0.3444, 0.4110 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 12.9782, 0.3444, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

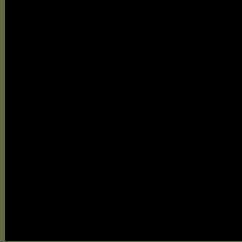
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

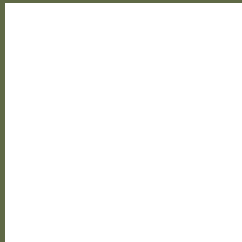
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9782, 0.3444, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 12.9782, 0.3444, 0.4110.



This preview shows how white text looks on a background with the Yxy color 12.9782, 0.3444, 0.4110.

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

12.9782, 0.3444, 0.4110

Protanopia

12.9759, 0.3714, 0.4015

Deuteranopia

12.8267, 0.3871, 0.3790



Tritanopia

12.9064, 0.3021, 0.3114

Trichromacy



Original Color

12.9782, 0.3444, 0.4110

Protanomaly

12.8755, 0.3614, 0.4034

Deuteranomaly

12.7581, 0.3717, 0.3902

Tritanomaly

12.9076, 0.3177, 0.3472

Monochromacy



Original Color

12.9782, 0.3444, 0.4110

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5533, 0.3245, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9782, 0.3444, 0.4110 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(95, 105, 70) looks like.

```
.text, #text, p{  
    color:rgb(95, 105, 70)  
}
```

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(95, 105, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 105, 70) }
```

Border

The CSS property to change the border of an element to Yxy 12.9782, 0.3444, 0.4110 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(95, 105, 70) }
```

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

```
.border{ border-color:rgb(95, 105, 70) }
```

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

Here you see how a box with a 4 pixel rgb(95, 105, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 105, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 105, 70);  
box-shadow:4px 4px 4px 4px rgb(95, 105,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9782, 0.3444, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 105, 70) }
```

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

```
.background{ background-color: rgb(95, 105,  
70) }
```

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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