

Converting Colors

$Y_{xy}(12.6903, 0.3096, 0.3978)$

Have a look what the booklet for
Yxy(12.6903, 0.3096, 0.3978)
contains.

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Color

Yxy(12.7422, 0.3095, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	4F6B4F
RGB	79, 107, 79
RGB Percent	31%, 42%, 31%
CMY	0.6901, 0.5804, 0.6903
CMYK	0.26, 0.00, 0.26, 0.58
HSL	120°, 15%, 36%
HSV	120°, 26%, 42%
XYZ	9.8939, 12.7422, 9.3313
YIQ	95.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

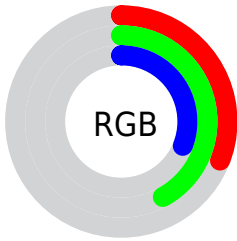
Format	Color
R_{YB}	79, 107, 107
Decimal	5204815
CIE _{Lab}	42.37, -16.40, 12.46
CIE _{LCh}	42, 20.599, 142.763
Yxy	12.7422, 0.3095, 0.3986
Android (android.graphics.Color)	4283394895 (0xFF4F6B4F)
YUV	95.4360, -8.1029, -14.4144
Hunter-Lab	35.6962, -12.9936, 9.4885

Details

The Yxy color **12.7422, 0.3095, 0.3986** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.7743, 0.3155, 0.2680**, and the grayscale version is **11.5758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0219, 0.3112, 0.3809**, and **3.5668, 0.3055, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **12.1772, 0.3080, 0.4303**, and if you desaturate by 10%, it is **13.4071, 0.3108, 0.3695**.

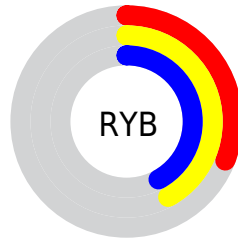
Distribution



 Red (31%)

 Green (42%)

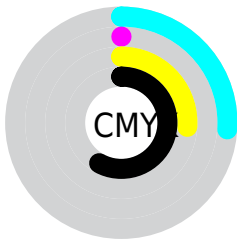
 Blue (31%)



 Red (31%)

 Yellow (42%)

 Blue (42%)

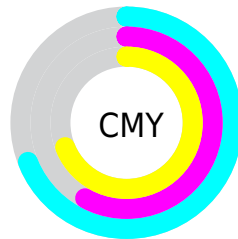


 Cyan (26%)

 Magenta (0%)

 Yellow (26%)

 Black (58%)



 Cyan (69%)


 Magenta (58%)

 Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7422, 0.3095, 0.3986 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 12.7422, 0.3095, 0.3986 by changing the saturation by 10% instead.


 12.7422, 0.3095,
0.3986


 12.7422, 0.3095,
0.3986


209.2588, 0.3122,
0.3550


 7.2513, 0.3080,
0.4144


 30.8399, 0.3109,
0.3798


 3.6197, 0.3052,
0.4392

 44.2154, 0.3113,
0.3737


 1.4632, 0.3024,
0.4900

 60.9878, 0.3115,
0.3690

 0.2626, 0.0000,
1.0000

 81.5417, 0.3117,
0.3651

 0.0000, 0.0000,
0.0000

 106.2613, 0.3119,
0.3619

135.5311, 0.3120,

0.3593

169.7355, 0.3121,
0.3570

■ 12.7422, 0.3095,
0.3986

■ 12.7422, 0.3095,
0.3986

■ 12.1772, 0.3080,
0.4303

■ 13.4071, 0.3108,
0.3695

■ 11.7057, 0.3065,
0.4638

■ 14.1746, 0.3120,
0.3435

■ 11.3231, 0.3049,
0.4975

■ 15.0494, 0.3131,
0.3206

■ 11.0240, 0.3034,
0.5295

■ 16.0354, 0.3140,
0.3006

■ 10.8020, 0.3021,
0.5574

■ 17.1363, 0.3148,
0.2833

■ 10.6501, 0.3010,
0.5790

■ 18.3557, 0.3155,
0.2684

■ 10.5516, 0.3003,
0.5942

■ 19.6969, 0.3161,
0.2554

■ 10.5164, 0.3001,
0.6000

■ 21.1632, 0.3166,
0.2443

■ 22.7578, 0.3170,
0.2347

Harmonies

Analogous

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



12.7422, 0.3530, 0.4091



12.7422, 0.3095, 0.3986



12.7422, 0.2687, 0.3644

Triad

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



12.7422, 0.3095, 0.3986



12.7422, 0.2414, 0.2620



12.7422, 0.3899, 0.3298

Complementary

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



12.7422, 0.3095, 0.3986



9.7743, 0.3155, 0.2680

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.



12.7422, 0.3558, 0.2962



12.7422, 0.3095, 0.3986



12.7422, 0.2695, 0.2582

Square

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



12.7422, 0.3095, 0.3986



12.7422, 0.2313, 0.2834



12.7422, 0.3109, 0.2707



12.7422, 0.4014, 0.3653

Rectangle

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



12.7422, 0.3095, 0.3986



12.7422, 0.2482, 0.3351



12.7422, 0.3109, 0.2707



12.7422, 0.3806, 0.3180

Sweetspot

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



12.7427, 0.3095, 0.3986



25.0857, 0.3118, 0.3486



14.1084, 0.3500, 0.3893



6.0297, 0.3117, 0.3517



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.7427, 0.3095, 0.3986



22.2202, 0.3087, 0.4164



12.9588, 0.2932, 0.3641



3.4450, 0.3117, 0.3504



12.7936, 0.3000, 0.6000



65.1859, 0.3000, 0.6000

Inverse Universe

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



9.7743, 0.3155, 0.2680



16.0004, 0.3161, 0.2548



9.5135, 0.3382, 0.2964



3.1637, 0.3137, 0.3084



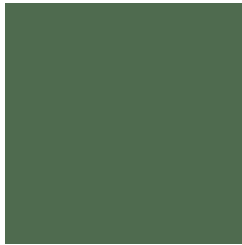
5.0834, 0.3206, 0.1540



25.8989, 0.3206, 0.1540

Previews

White Background



This preview shows how the Yxy color 12.7422, 0.3095, 0.3986 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 12.7422, 0.3095, 0.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

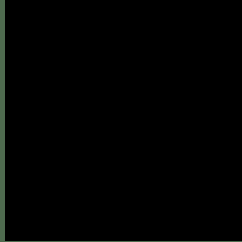
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7422, 0.3095, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 12.7422, 0.3095, 0.3986.



This preview shows how white text looks on a background with the Yxy color 12.7422, 0.3095, 0.3986.

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

12.7422, 0.3095, 0.3986

Protanopia

12.7619, 0.3575, 0.3826

Deuteranopia

12.6728, 0.3667, 0.3611



Tritanopia

12.7795, 0.2787, 0.3106

Trichromacy



Original Color

12.7422, 0.3095, 0.3986

Protanomaly

12.7777, 0.3390, 0.3896

Deuteranomaly

12.5771, 0.3454, 0.3745

Tritanomaly

12.6405, 0.2904, 0.3408

Monochromacy



Original Color

12.7422, 0.3095, 0.3986

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7688, 0.3116, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7422, 0.3095, 0.3986 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(79, 107, 79)` looks like.

```
.text, #text, p{  
    color:rgb(79, 107, 79)  
}
```

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(79, 107, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 107, 79) }
```

Border

The CSS property to change the border of an element to Yxy 12.7422, 0.3095, 0.3986 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(79, 107, 79) }
```

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

```
.border{ border-color:rgb(79, 107, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 107, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 107, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 107, 79);  
box-shadow:4px 4px 4px 4px rgb(79, 107,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7422, 0.3095, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 107, 79) }
```

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

```
.background{ background-color: rgb(79, 107,  
79) }
```

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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