

Converting Colors

$Y_{xy}(12.8187, 0.3312, 0.4376)$

Have a look what the booklet for
Yxy(12.8187, 0.3312, 0.4376)
contains.

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Color

Yxy(12.8891, 0.3313, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	526C40
RGB	82, 108, 64
RGB Percent	32%, 42%, 25%
CMY	0.6785, 0.5765, 0.7490
CMYK	0.24, 0.00, 0.41, 0.58
HSL	95°, 26%, 34%
HSV	95°, 41%, 42%
XYZ	9.7671, 12.8891, 6.8249
YIQ	95.2100, -1.3720, -19.1960

Conversions

Conversions Part 2

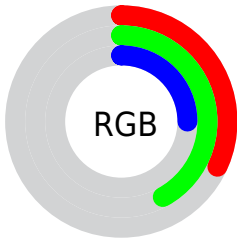
Format	Color
RYB	64, 108, 90
Decimal	5401664
CIELab	42.60, -18.37, 21.58
CIELCh	43, 28.342, 130.409
Yxy	12.8891, 0.3313, 0.4372
Android (android.graphics.Color)	4283591744 (0xFF526C40)
YUV	95.2100, -15.3865, -11.5852
Hunter-Lab	35.9014, -14.2661, 13.8599

Details

The Yxy color **12.8891, 0.3313, 0.4372** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.9257, 0.2849, 0.2252**, and the grayscale version is **11.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2170, 0.3280, 0.4093**, and **3.6395, 0.3331, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **12.5053, 0.3343, 0.4666**, and if you desaturate by 10%, it is **13.3245, 0.3274, 0.4082**.

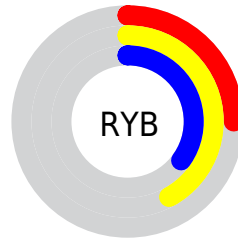
Distribution



Red (32%)

Green (42%)

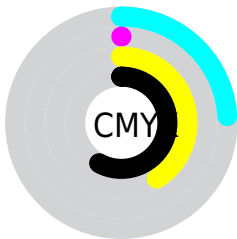
Blue (25%)



Red (25%)

Yellow (42%)

Blue (35%)

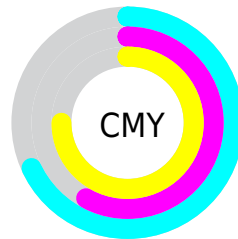


Cyan (24%)

Magenta (0%)

Yellow (41%)

Black (58%)



Cyan (68%)

Magenta (58%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8891, 0.3313, 0.4372 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 12.8891, 0.3313, 0.4372 by changing the saturation by 10% instead.

■ 12.8891, 0.3313,
0.4372

■ 12.8891, 0.3313,
0.4372

■ 210.2057, 0.3217,
0.3694

■ 7.3522, 0.3330,
0.4614

■ 31.1044, 0.3280,
0.4080

■ 3.6833, 0.3337,
0.4988

■ 44.5516, 0.3267,
0.3985

■ 1.4981, 0.3679,
0.6281

■ 61.4044, 0.3256,
0.3911

■ 0.2874, 0.0000,
1.0000

■ 82.0472, 0.3246,
0.3851

■ 0.0000, 0.0000,
0.0000

■ 106.8643, 0.3237,
0.3801

■ 136.2401, 0.3230,

0.3760

170.5591, 0.3223,
0.3724

■ 12.8891, 0.3313,
0.4372

■ 12.8891, 0.3313,
0.4372

■ 12.5053, 0.3343,
0.4666

■ 13.3245, 0.3274,
0.4082

■ 12.1692, 0.3361,
0.4953

■ 13.8119, 0.3229,
0.3805

■ 11.8793, 0.3364,
0.5218


■ 14.3535, 0.3180,
0.3545


■ 11.6330, 0.3349,
0.5448


■ 14.9512, 0.3131,
0.3307

■ 11.4275, 0.3318,
0.5629

■ 15.6066, 0.3081,
0.3090

 11.2646, 0.3284,
0.5774

 16.3213, 0.3034,
0.2895

 17.0969, 0.2988,
0.2721

 17.9347, 0.2944,
0.2565

 18.8364, 0.2903,
0.2426

Harmonies

Analogous

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



12.8891, 0.3874, 0.4334



12.8891, 0.3313, 0.4372



12.8891, 0.2731, 0.4017

Triad

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



12.8891, 0.3313, 0.4372



12.8891, 0.2093, 0.2471



12.8891, 0.4025, 0.3093

Complementary

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



12.8891, 0.3313, 0.4372



6.9257, 0.2849, 0.2252

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.



12.8891, 0.3463, 0.2695



12.8891, 0.3313, 0.4372



12.8891, 0.2363, 0.2341

Square

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



12.8891, 0.3313, 0.4372



12.8891, 0.2063, 0.2837



12.8891, 0.2848, 0.2427



12.8891, 0.4323, 0.3556

Rectangle

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



12.8891, 0.3313, 0.4372



12.8891, 0.2409, 0.3623



12.8891, 0.2848, 0.2427



12.8891, 0.3857, 0.2950

Sweetspot

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



12.8897, 0.3313, 0.4372



25.0393, 0.3188, 0.3585



10.8161, 0.3845, 0.3873



6.0394, 0.3193, 0.3608



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.



12.8897, 0.3313, 0.4372



21.9782, 0.3342, 0.4654



12.2298, 0.3032, 0.4357



3.4995, 0.3172, 0.3501



13.4194, 0.3278, 0.5779



67.8953, 0.3239, 0.5810

Inverse Universe

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



6.9257, 0.2849, 0.2252



9.9304, 0.2761, 0.1995



7.8627, 0.3237, 0.2416



3.1053, 0.3079, 0.3081



2.5700, 0.2248, 0.1012



12.5786, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 12.8891, 0.3313, 0.4372 looks on a white background.

Color Contrast Check

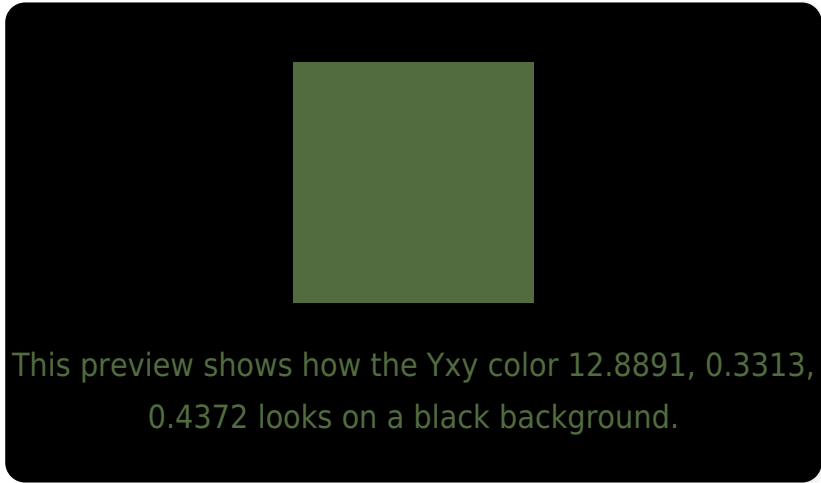
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

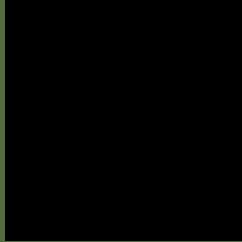
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8891, 0.3313, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 12.8891, 0.3313, 0.4372.



This preview shows how white text looks on a background with the Yxy color 12.8891, 0.3313, 0.4372.

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

12.8891, 0.3313, 0.4372

Protanopia

12.7663, 0.3834, 0.4138

Deuteranopia

12.7641, 0.3946, 0.3892



Tritanopia

12.7743, 0.2836, 0.3086

Trichromacy



Original Color

12.8891, 0.3313, 0.4372

Protanomaly

12.7576, 0.3637, 0.4228

Deuteranomaly

12.5719, 0.3701, 0.4051

Tritanomaly

12.6872, 0.3005, 0.3528

Monochromacy



Original Color

12.8891, 0.3313, 0.4372

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9281, 0.3197, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8891, 0.3313, 0.4372 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(82, 108, 64)` looks like.

```
.text, #text, p{  
    color:rgb(82, 108, 64)  
}
```

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(82, 108, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 108, 64) }
```

Border

The CSS property to change the border of an element to Yxy 12.8891, 0.3313, 0.4372 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(82, 108, 64) }
```

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

```
.border{ border-color:rgb(82, 108, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 108, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 108, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 108, 64);  
box-shadow:4px 4px 4px 4px rgb(82, 108,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8891, 0.3313, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 108, 64) }
```

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

```
.background{ background-color: rgb(82, 108,  
64) }
```

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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