

Converting Colors

$Y_{xy}(12.2259, 0.3203, 0.4326)$

Have a look what the booklet for
Yxy(12.2259, 0.3203, 0.4326)
contains.

Yxy(12.1973, 0.3198, 0.4315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.1973, 0.3198, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	4B6A42
RGB	75, 106, 66
RGB Percent	29%, 42%, 26%
CMY	0.7058, 0.5843, 0.7412
CMYK	0.29, 0.00, 0.38, 0.58
HSL	106°, 23%, 34%
HSV	106°, 38%, 42%
XYZ	9.0399, 12.1973, 7.0301
YIQ	92.1710, -5.6360, -19.0120

Conversions

Conversions Part 2

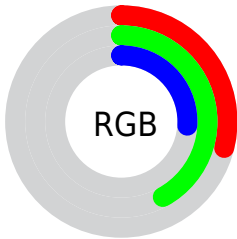
Format	Color
RYB	66, 106, 97
Decimal	4942402
CIELab	41.53, -19.73, 18.95
CIELCh	42, 27.359, 136.157
Yxy	12.1973, 0.3198, 0.4315
Android (android.graphics.Color)	4283132482 (0xFF4B6A42)
YUV	92.1710, -12.9023, -15.0590
Hunter-Lab	34.9246, -14.9154, 12.5126

Details

The Yxy color **12.1973, 0.3198, 0.4315** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.4752, 0.3005, 0.2371**, and the grayscale version is **10.7762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6888, 0.3198, 0.4031**, and **3.3453, 0.3183, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **11.7742, 0.3206, 0.4629**, and if you desaturate by 10%, it is **12.6873, 0.3184, 0.4013**.

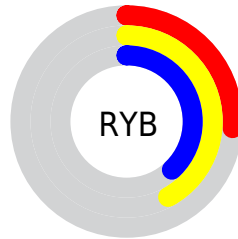
Distribution



Red (29%)

Green (42%)

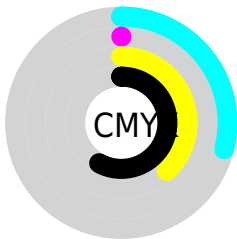
Blue (26%)



Red (26%)

Yellow (42%)

Blue (38%)

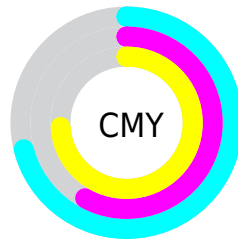


Cyan (29%)

Magenta (0%)

Yellow (38%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1973, 0.3198, 0.4315 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 12.1973, 0.3198, 0.4315 by changing the saturation by 10% instead.

■ 12.1973, 0.3198,
0.4315

■ 12.1973, 0.3198,
0.4315

■ 205.7071, 0.3170,
0.3666

■ 6.8782, 0.3194,
0.4554

■ 29.8539, 0.3193,
0.4032

■ 3.3860, 0.3172,
0.4930

■ 42.9603, 0.3189,
0.3942

■ 1.3364, 0.3429,
0.6267

■ 59.4311, 0.3185,
0.3871

■ 0.1692, 0.0000,
1.0000

■ 79.6509, 0.3181,
0.3814

■ 0.0000, 0.0000,
0.0000

■ 104.0040, 0.3178,
0.3767

■ 132.8748, 0.3175,

0.3728

166.6477, 0.3172,
0.3694

■ 12.1973, 0.3198,
0.4315

■ 12.1973, 0.3198,
0.4315

■ 11.7742, 0.3206,
0.4629

■ 12.6873, 0.3184,
0.4013

■ 11.4136, 0.3206,
0.4943

■ 13.2454, 0.3165,
0.3730

■ 11.1128, 0.3197,
0.5240


■ 13.8747, 0.3144,
0.3472


■ 10.8685, 0.3178,
0.5502


■ 14.5776, 0.3122,
0.3240


■ 10.6768, 0.3149,
0.5712


■ 15.3564, 0.3099,
0.3033

 10.5299, 0.3117,
0.5875

 16.2134, 0.3077,
0.2849

 10.5013, 0.3112,
0.5911

 17.1505, 0.3055,
0.2688

 18.1700, 0.3034,
0.2546

 19.2737, 0.3014,
0.2421

Harmonies

Analogous

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



12.1973, 0.3767, 0.4352



12.1973, 0.3198, 0.4315



12.1973, 0.2639, 0.3901

Triad

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



12.1973, 0.3198, 0.4315



12.1973, 0.2141, 0.2441



12.1973, 0.4091, 0.3182

Complementary

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



12.1973, 0.3198, 0.4315



7.4752, 0.3005, 0.2371

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.



12.1973, 0.3574, 0.2771



12.1973, 0.3198, 0.4315



12.1973, 0.2452, 0.2356

Square

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



12.1973, 0.3198, 0.4315



12.1973, 0.2065, 0.2758



12.1973, 0.2963, 0.2478



12.1973, 0.4318, 0.3643

Rectangle

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



12.1973, 0.3198, 0.4315



12.1973, 0.2346, 0.3498



12.1973, 0.2963, 0.2478



12.1973, 0.3943, 0.3036

Sweetspot

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



12.1978, 0.3198, 0.4315



23.9434, 0.3152, 0.3561



11.9447, 0.3725, 0.3984



5.5845, 0.3154, 0.3585



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.



12.1978, 0.3198, 0.4315



20.7688, 0.3205, 0.4582



11.9968, 0.2955, 0.4062



3.4747, 0.3147, 0.3503



13.0186, 0.3106, 0.5916



66.0034, 0.3076, 0.5940

Inverse Universe

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



7.4752, 0.3005, 0.2371



11.2225, 0.2967, 0.2162



7.7914, 0.3364, 0.2628



3.1312, 0.3105, 0.3082



3.5066, 0.2665, 0.1242



17.4688, 0.2634, 0.1225

Previews

White Background



This preview shows how the Yxy color 12.1973, 0.3198, 0.4315 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 12.1973, 0.3198, 0.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

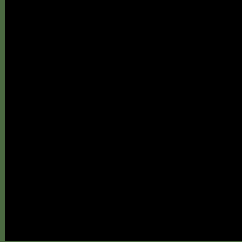
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1973, 0.3198, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 12.1973, 0.3198, 0.4315.



This preview shows how white text looks on a background with the Yxy color 12.1973, 0.3198, 0.4315.

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

12.1973, 0.3198, 0.4315

Protanopia

12.1584, 0.3758, 0.4076

Deuteranopia

11.9714, 0.3875, 0.3805



Tritanopia

12.2053, 0.2768, 0.3102

Trichromacy



Original Color

12.1973, 0.3198, 0.4315

Protanomaly

12.1104, 0.3545, 0.4168

Deuteranomaly

11.9194, 0.3605, 0.3987

Tritanomaly

12.1531, 0.2924, 0.3535

Monochromacy



Original Color

12.1973, 0.3198, 0.4315

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1524, 0.3156, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1973, 0.3198, 0.4315 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(75, 106, 66)` looks like.

```
.text, #text, p{  
  color:rgb(75, 106, 66)  
}
```

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(75, 106, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 106, 66) }
```

Border

The CSS property to change the border of an element to Yxy 12.1973, 0.3198, 0.4315 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(75, 106, 66) }
```

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

```
.border{ border-color:rgb(75, 106, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 106, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 106, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 106, 66);  
box-shadow:4px 4px 4px 4px rgb(75, 106,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1973, 0.3198, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 106, 66) }
```

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

```
.background{ background-color: rgb(75, 106,  
66) }
```

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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