

Converting Colors

$Y_{xy}(12.8227, 0.3514, 0.3727)$

Have a look what the booklet for
Yxy(12.8227, 0.3514, 0.3727)
contains.

Yxy(12.8193, 0.3517, 0.3736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.8193, 0.3517, 0.3736)

Conversions

Conversions Part 1

Format	Color
Hex	6B6450
RGB	107, 100, 80
RGB Percent	42%, 39%, 31%
CMY	0.5804, 0.6078, 0.6863
CMYK	0.00, 0.07, 0.25, 0.58
HSL	44°, 14%, 37%
HSV	44°, 25%, 42%
XYZ	12.0678, 12.8193, 9.4258
YIQ	99.8130, 10.5920, -4.7360

Conversions

Conversions Part 2

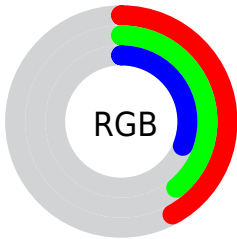
Format	Color
RYB	89, 107, 80
Decimal	7038032
CIELab	42.49, -0.81, 12.37
CIElCh	42, 12.397, 93.729
Yxy	12.8193, 0.3517, 0.3736
Android (android.graphics.Color)	4285228112 (0xFF6B6450)
YUV	99.8130, -9.7678, 6.3030
Hunter-Lab	35.8041, -2.4932, 9.4542

Details

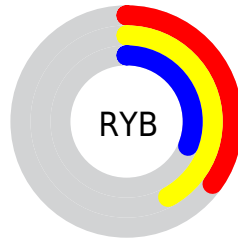
The Yxy color **12.8193, 0.3517, 0.3736** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.5800, 0.2738, 0.2800**, and the grayscale version is **12.7171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0891, 0.3424, 0.3630**, and **3.6895, 0.3709, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **12.1517, 0.3689, 0.3918**, and if you desaturate by 10%, it is **13.5313, 0.3354, 0.3555**.

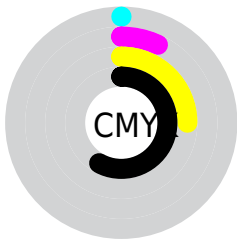
Distribution



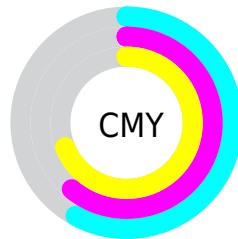
- Red (42%)
- Green (39%)
- Blue (31%)



- Red (35%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)
- Black (58%)





- Cyan (58%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8193, 0.3517, 0.3736 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 12.8193, 0.3517, 0.3736 by changing the saturation by 10% instead.


 12.8193, 0.3517,
0.3736


 12.8193, 0.3517,
0.3736


209.7563, 0.3282,
0.3466


 7.3042, 0.3596,
0.3827


 30.9788, 0.3419,
0.3623


 3.6531, 0.3712,
0.3963

 44.3920, 0.3386,
0.3585


 1.4815, 0.3941,
0.4230

 61.2066, 0.3360,
0.3555

 0.2756, 0.4678,
0.5322

 81.8072, 0.3338,
0.3531

 0.0000, 0.0000,
0.0000

 106.5781, 0.3321,
0.3510

135.9036, 0.3306,

0.3493

170.1682, 0.3293,
0.3478

■ 12.8193, 0.3517,
0.3736

■ 12.8193, 0.3517,
0.3736

■ 12.1517, 0.3689,
0.3918

■ 13.5313, 0.3354,
0.3555

■ 11.5255, 0.3868,
0.4095

■ 14.2873, 0.3202,
0.3379

■ 10.9396, 0.4047,
0.4259

■ 15.0890, 0.3062,
0.3211

■ 10.3927, 0.4222,
0.4403

■ 15.9377, 0.2935,
0.3053

■ 9.8828, 0.4384,
0.4516

■ 16.8343, 0.2820,
0.2906

■ 9.4080, 0.4527,
0.4590

■ 17.7801, 0.2715,
0.2770

■ 8.9646, 0.4648,
0.4628

■ 18.7760, 0.2622,
0.2645

■ 8.7605, 0.4708,
0.4644

■ 19.8230, 0.2538,
0.2530

■ 20.9220, 0.2462,
0.2424

Harmonies

Analogous

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



12.8193, 0.3646, 0.3596



12.8193, 0.3517, 0.3736



12.8193, 0.3285, 0.3756

Triad

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



12.8193, 0.3517, 0.3736



12.8193, 0.2649, 0.3159



12.8193, 0.3221, 0.2978

Complementary

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



12.8193, 0.3517, 0.3736



9.5800, 0.2738, 0.2800

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.



12.8193, 0.2954, 0.2867



12.8193, 0.3517, 0.3736



12.8193, 0.2633, 0.2959

Square

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



12.8193, 0.3517, 0.3736



12.8193, 0.2787, 0.3410



12.8193, 0.2742, 0.2857



12.8193, 0.3472, 0.3164

Rectangle

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



12.8193, 0.3517, 0.3736



12.8193, 0.3106, 0.3690



12.8193, 0.2742, 0.2857



12.8193, 0.3130, 0.2931

Sweetspot

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



12.8199, 0.3517, 0.3736



25.1726, 0.3246, 0.3431



9.5528, 0.3489, 0.3127



6.0523, 0.3264, 0.3452



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.



12.8199, 0.3517, 0.3736



22.2773, 0.3613, 0.3838



13.8427, 0.3390, 0.3899



3.4575, 0.3257, 0.3444



10.6083, 0.4714, 0.4639



52.5980, 0.4750, 0.4610

Inverse Universe

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



9.5800, 0.2738, 0.2800



15.4589, 0.2643, 0.2673



8.7897, 0.2820, 0.2641



3.1408, 0.2997, 0.3132



2.2386, 0.1603, 0.0969



10.1769, 0.1578, 0.0880

Previews

White Background



This preview shows how the Yxy color 12.8193, 0.3517, 0.3736 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 12.8193, 0.3517, 0.3736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

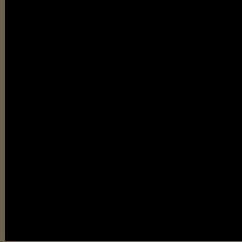
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8193, 0.3517, 0.3736

Background



This preview shows how black text looks on a background with the Yxy color 12.8193, 0.3517, 0.3736.

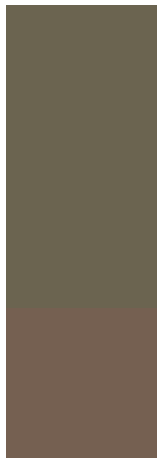


This preview shows how white text looks on a background with the Yxy color 12.8193, 0.3517, 0.3736.

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

12.8193, 0.3517, 0.3736

Protanopia

12.8193, 0.3517, 0.3736

Deuteranopia

12.7417, 0.3683, 0.3609



Tritanopia

12.8639, 0.3224, 0.3141

Trichromacy



Original Color

12.8193, 0.3517, 0.3736

Protanomaly

12.8193, 0.3517, 0.3736

Deuteranomaly

12.6542, 0.3613, 0.3637

Tritanomaly

12.8128, 0.3337, 0.3356

Monochromacy



Original Color

12.8193, 0.3517, 0.3736

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7882, 0.3269, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8193, 0.3517, 0.3736 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(107, 100, 80)` looks like.

```
.text, #text, p{  
    color:rgb(107, 100, 80)  
}
```

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(107, 100, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 100, 80) }
```

Border

The CSS property to change the border of an element to Yxy 12.8193, 0.3517, 0.3736 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(107, 100, 80) }
```

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

```
.border{ border-color:rgb(107, 100, 80) }
```

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

Here you see how a box with a 4 pixel rgb(107, 100, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 100, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 100, 80);  
box-shadow:4px 4px 4px 4px rgb(107, 100,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8193, 0.3517, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 100, 80) }
```

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

```
.background{ background-color: rgb(107,  
100, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor