

Converting Colors

$Y_{xy}(12.5603, 0.4095, 0.3948)$

Have a look what the booklet for
Yxy(12.5603, 0.4095, 0.3948)
contains.

Yxy(12.5642, 0.4088, 0.3939)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5642, 0.4088, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	7B5E3E
RGB	123, 94, 62
RGB Percent	48%, 37%, 24%
CMY	0.5177, 0.6313, 0.7569
CMYK	0.00, 0.24, 0.50, 0.52
HSL	31°, 33%, 36%
HSV	31°, 50%, 48%
XYZ	13.0395, 12.5642, 6.2933
YIQ	99.0230, 27.5560, -3.8040

Conversions

Conversions Part 2

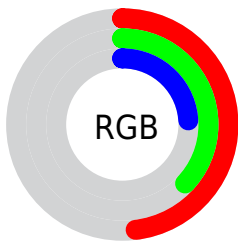
Format	Color
R_{YB}	117, 123, 62
Decimal	8085054
CIE Lab	42.10, 7.45, 22.84
CIE LCh	42, 24.027, 71.940
Yxy	12.5642, 0.4088, 0.3939
Android (android.graphics.Color)	4286275134 (0xFF7B5E3E)
YUV	99.0230, -18.2523, 21.0278
Hunter-Lab	35.4460, 3.6340, 14.2856

Details

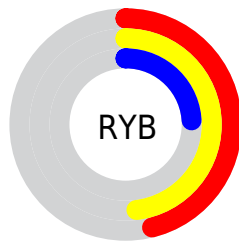
The Yxy color **12.5642, 0.4088, 0.3939** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.9308, 0.2361, 0.2521**, and the grayscale version is **12.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4194, 0.3849, 0.3787**, and **3.5353, 0.4556, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **11.4444, 0.4336, 0.4054**, and if you desaturate by 10%, it is **13.7945, 0.3855, 0.3810**.

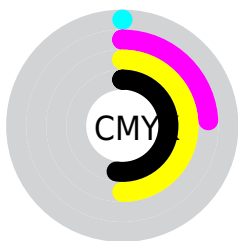
Distribution



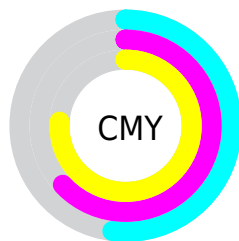
- Red (48%)
- Green (37%)
- Blue (24%)



- Red (46%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (50%)
- Black (52%)




- Cyan (52%)
- Magenta (63%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5642, 0.4088, 0.3939 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 12.5642, 0.4088, 0.3939 by changing the saturation by 10% instead.


 12.5642, 0.4088,
0.3939

 12.5642, 0.4088,
0.3939


208.1055, 0.3507,
0.3564


 7.1291, 0.4277,
0.4047


 30.5186, 0.3847,
0.3790


 3.5430, 0.4547,
0.4188

 43.8067, 0.3766,
0.3738

 1.4214, 0.5320,
0.4680

 60.4813, 0.3701,
0.3695

 0.2324, 0.6341,
0.3659

 80.9268, 0.3648,
0.3660

 0.0000, 0.0000,
0.0000

 105.5276, 0.3604,
0.3630

 134.6680, 0.3567,

0.3605

168.7325, 0.3535,
0.3583

■ 12.5642, 0.4088,
0.3939

■ 12.5642, 0.4088,
0.3939

■ 11.4444, 0.4336,
0.4054

■ 13.7945, 0.3855,
0.3810

■ 10.4295, 0.4589,
0.4144

■ 15.1370, 0.3640,
0.3675

■ 9.5158, 0.4837,
0.4199

■ 16.5957, 0.3446,
0.3540

■ 8.6989, 0.5065,
0.4209

■ 18.1738, 0.3274,
0.3409

■ 7.9680, 0.5278,
0.4185

■ 19.8744, 0.3121,
0.3285

■ 7.9403, 0.5287,
0.4184

■ 21.7004, 0.2987,
0.3169

■ 23.6545, 0.2869,
0.3061

■ 25.7396, 0.2766,
0.2962

■ 27.9581, 0.2674,
0.2870

Harmonies

Analogous

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



12.5642, 0.4154, 0.3554



12.5642, 0.4088, 0.3939



12.5642, 0.3756, 0.4196

Triad

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



12.5642, 0.4088, 0.3939



12.5642, 0.2384, 0.3371



12.5642, 0.2916, 0.2546

Complementary

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



12.5642, 0.4088, 0.3939



9.9308, 0.2361, 0.2521

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.



12.5642, 0.2485, 0.2465



12.5642, 0.4088, 0.3939



12.5642, 0.2199, 0.2888

Square

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



12.5642, 0.4088, 0.3939



12.5642, 0.2768, 0.3881



12.5642, 0.2235, 0.2574



12.5642, 0.3445, 0.2789

Rectangle

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



12.5642, 0.4088, 0.3939



12.5642, 0.3440, 0.4232



12.5642, 0.2235, 0.2574



12.5642, 0.2756, 0.2499

Sweetspot

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



12.5648, 0.4088, 0.3939



30.8926, 0.3371, 0.3484



8.4177, 0.3779, 0.2696



7.1611, 0.3402, 0.3507



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.5648, 0.4088, 0.3939



20.1421, 0.4383, 0.4073



18.6474, 0.3809, 0.4447



4.3307, 0.3265, 0.3402



8.2043, 0.5289, 0.4183



37.4202, 0.5361, 0.4125

Inverse Universe

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



9.9308, 0.2361, 0.2521



14.8236, 0.2185, 0.2294



5.9306, 0.2242, 0.1810



4.1784, 0.2994, 0.3175



4.6450, 0.1765, 0.1552



20.4759, 0.1740, 0.1463

Previews

White Background



This preview shows how the Yxy color 12.5642, 0.4088, 0.3939 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 12.5642, 0.4088, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

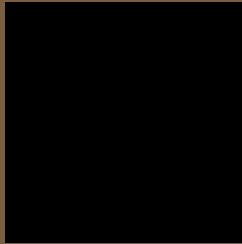
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5642, 0.4088, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 12.5642, 0.4088, 0.3939.



This preview shows how white text looks on a background with the Yxy color 12.5642, 0.4088, 0.3939.

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

12.5642, 0.4088, 0.3939

Protanopia

12.6727, 0.3761, 0.4085

Deuteranopia

12.5253, 0.4029, 0.3971



Tritanopia

12.6110, 0.3603, 0.3152

Trichromacy



Original Color

12.5642, 0.4088, 0.3939

Protanomaly

12.6050, 0.3873, 0.4043

Deuteranomaly

12.5972, 0.4046, 0.3967

Tritanomaly

12.4822, 0.3796, 0.3434

Monochromacy



Original Color

12.5642, 0.4088, 0.3939

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4094, 0.3458, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5642, 0.4088, 0.3939 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(123, 94, 62)` looks like.

```
.text, #text, p{  
    color:rgb(123, 94, 62)  
}
```

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(123, 94, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 94, 62) }
```

Border

The CSS property to change the border of an element to Yxy 12.5642, 0.4088, 0.3939 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(123, 94, 62) }
```

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

```
.border{ border-color:rgb(123, 94, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 94, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 94, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 94, 62);  
box-shadow:4px 4px 4px 4px rgb(123, 94,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5642, 0.4088, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 94, 62) }
```

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

```
.background{ background-color: rgb(123, 94,  
62) }
```

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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