

Converting Colors

$Y_{xy}(12.7088, 0.3095, 0.4663)$

Have a look what the booklet for
Yxy(12.7088, 0.3095, 0.4663)
contains.

Yxy(12.7088, 0.3097, 0.4653)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7088, 0.3097, 0.4653)

Conversions

Conversions Part 1

Format	Color
Hex	3E6F3B
RGB	62, 111, 59
RGB Percent	24%, 44%, 23%
CMY	0.7570, 0.5647, 0.7686
CMYK	0.44, 0.00, 0.47, 0.56
HSL	117°, 31%, 33%
HSV	117°, 47%, 44%
XYZ	8.4589, 12.7088, 6.1455
YIQ	90.4210, -12.5120, -26.5600

Conversions

Conversions Part 2

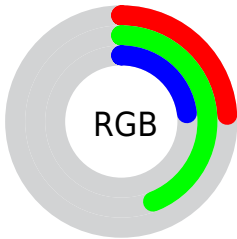
Format	Color
RYB	59, 111, 108
Decimal	4091707
CIELab	42.32, -28.15, 23.84
CIElCh	42, 36.886, 139.743
Yxy	12.7088, 0.3097, 0.4653
Android (android.graphics.Color)	4282281787 (0xFF3E6F3B)
YUV	90.4210, -15.4906, -24.9252
Hunter-Lab	35.6494, -20.0320, 14.7338

Details

The Yxy color **12.7088, 0.3097, 0.4653** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.4676, 0.3123, 0.2195**, and the grayscale version is **10.3602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7666, 0.3134, 0.4274**, and **3.6512, 0.2981, 0.5491** is the 20% darker color. If you saturate the color by 10%, you get **12.2999, 0.3084, 0.4987**, and if you desaturate by 10%, it is **13.2085, 0.3107, 0.4321**.

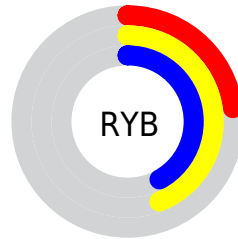
Distribution



Red (24%)

Green (44%)

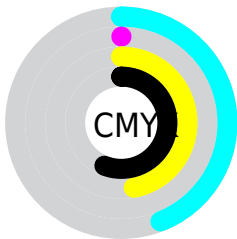
Blue (23%)



Red (23%)

Yellow (44%)

Blue (42%)

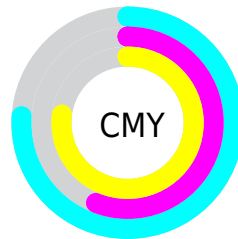


Cyan (44%)

Magenta (0%)

Yellow (47%)

Black (56%)



Cyan (76%)


Magenta (56%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7088, 0.3097, 0.4653 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 12.7088, 0.3097, 0.4653 by changing the saturation by 10% instead.


 12.7088, 0.3097,
0.4653


 12.7088, 0.3097,
0.4653


209.0429, 0.3143,
0.3785


 7.2283, 0.3057,
0.4973


 30.7796, 0.3128,
0.4273

 3.6053, 0.2970,
0.5473

 44.1388, 0.3134,
0.4152


 1.4553, 0.2951,
0.7049

 60.8930, 0.3138,
0.4058

 0.2570, 0.0000,
1.0000

 81.4265, 0.3140,
0.3982

 0.0000, 0.0000,
0.0000

 106.1239, 0.3142,
0.3919

 135.3695, 0.3142,

0.3867

169.5477, 0.3143,
0.3823

■ 12.7088, 0.3097,
0.4653

■ 12.7088, 0.3097,
0.4653

■ 12.2999, 0.3084,
0.4987

■ 13.2085, 0.3107,
0.4321

■ 11.9748, 0.3069,
0.5302

■ 13.8023, 0.3116,
0.4005

■ 11.7283, 0.3052,
0.5576


■ 14.4952, 0.3121,
0.3714


■ 11.5535, 0.3035,
0.5788


■ 15.2916, 0.3125,
0.3452

■ 11.4403, 0.3023,
0.5938


■ 16.1953, 0.3128,
0.3220

 11.4113, 0.3022,
0.5983

 17.2102, 0.3129,
0.3017

 18.3399, 0.3129,
0.2840

 19.5878, 0.3129,
0.2686

 20.9573, 0.3128,
0.2553

Harmonies

Analogous

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



12.7088, 0.3846, 0.4713



12.7088, 0.3097, 0.4653



12.7088, 0.2396, 0.4025

Triad

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



12.7088, 0.3097, 0.4653



12.7088, 0.1899, 0.2163



12.7088, 0.4472, 0.3192

Complementary

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



12.7088, 0.3097, 0.4653



7.4676, 0.3123, 0.2195

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.



12.7088, 0.3808, 0.2673



12.7088, 0.3097, 0.4653



12.7088, 0.2314, 0.2105

Square

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



12.7088, 0.3097, 0.4653



12.7088, 0.1768, 0.2507



12.7088, 0.2992, 0.2289



12.7088, 0.4700, 0.3768

Rectangle

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



12.7088, 0.3097, 0.4653



12.7088, 0.2052, 0.3449



12.7088, 0.2992, 0.2289



12.7088, 0.4288, 0.3009

Sweetspot

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



12.7093, 0.3097, 0.4653



26.2863, 0.3122, 0.3647



14.3243, 0.3811, 0.4312



6.2591, 0.3122, 0.3693



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.7093, 0.3097, 0.4653



21.9777, 0.3083, 0.5009



12.9027, 0.2828, 0.4057



3.7715, 0.3125, 0.3506



13.4409, 0.3020, 0.5984



66.8297, 0.3009, 0.5993

Inverse Universe

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



7.4676, 0.3123, 0.2195



11.3549, 0.3117, 0.1977



7.2210, 0.3623, 0.2642



3.4443, 0.3129, 0.3082



4.8652, 0.3072, 0.1466



24.1074, 0.3064, 0.1462

Previews

White Background



This preview shows how the Yxy color 12.7088, 0.3097, 0.4653 looks on a white background.

Color Contrast Check

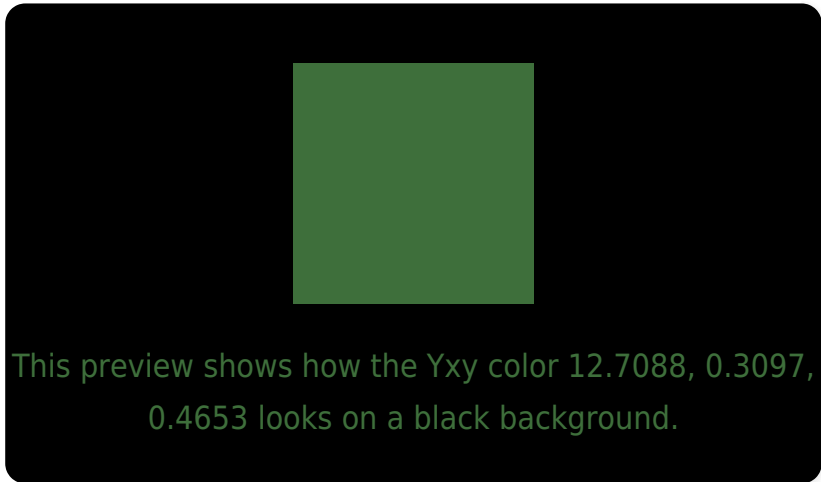
Large Text (above 18pt) WCAG AA ✓ Pass

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

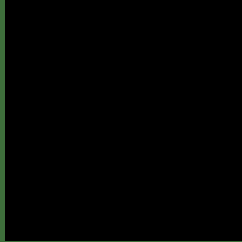
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7088, 0.3097, 0.4653

Background



This preview shows how black text looks on a background with the Yxy color 12.7088, 0.3097, 0.4653.



This preview shows how white text looks on a background with the Yxy color 12.7088, 0.3097, 0.4653.

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

12.7088, 0.3097, 0.4653

Protanopia

12.6414, 0.3898, 0.4265

Deuteranopia

12.5364, 0.4015, 0.3952



Tritanopia

12.7119, 0.2629, 0.3100

Trichromacy



Original Color

12.7088, 0.3097, 0.4653

Protanomaly

12.4615, 0.3579, 0.4426

Deuteranomaly

12.3078, 0.3635, 0.4194

Tritanomaly

12.5709, 0.2806, 0.3641

Monochromacy



Original Color

12.7088, 0.3097, 0.4653

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.0054, 0.3119, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7088, 0.3097, 0.4653 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(62, 111, 59)` looks like.

```
.text, #text, p{  
    color:rgb(62, 111, 59)  
}
```

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(62, 111, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 111, 59) }
```

Border

The CSS property to change the border of an element to Yxy 12.7088, 0.3097, 0.4653 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(62, 111, 59) }
```

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

```
.border{ border-color:rgb(62, 111, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 111, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 111, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 111, 59);  
box-shadow:4px 4px 4px 4px rgb(62, 111,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7088, 0.3097, 0.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 111, 59) }
```

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

```
.background{ background-color: rgb(62, 111,  
59) }
```

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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