

Converting Colors

$Y_{xy}(13.7431, 0.3367, 0.4558)$

Have a look what the booklet for
Yxy(13.7431, 0.3367, 0.4558)
contains.

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Color

Yxy(13.7431, 0.3367, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	53703B
RGB	83, 112, 59
RGB Percent	33%, 44%, 23%
CMY	0.6744, 0.5608, 0.7686
CMYK	0.26, 0.00, 0.47, 0.56
HSL	93°, 31%, 34%
HSV	93°, 47%, 44%
XYZ	10.1520, 13.7431, 6.2565
YIQ	97.2870, -0.2710, -22.6310

Conversions

Conversions Part 2

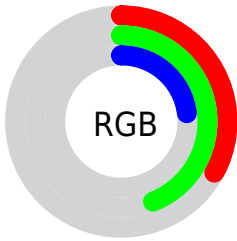
Format	Color
RYB	59, 112, 88
Decimal	5468219
CIELab	43.86, -20.79, 26.03
CIElCh	44, 33.319, 128.615
Yxy	13.7431, 0.3367, 0.4558
Android (android.graphics.Color)	4283658299 (0xFF53703B)
YUV	97.2870, -18.8755, -12.5297
Hunter-Lab	37.0717, -15.9934, 15.9440

Details

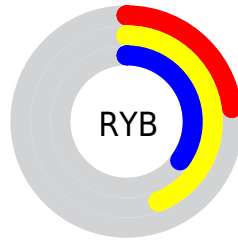
The Yxy color **13.7431, 0.3367, 0.4558** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.3732, 0.2746, 0.2056**, and the grayscale version is **12.0770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6808, 0.3332, 0.4228**, and **4.0558, 0.3374, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **13.3731, 0.3395, 0.4843**, and if you desaturate by 10%, it is **14.1638, 0.3327, 0.4268**.

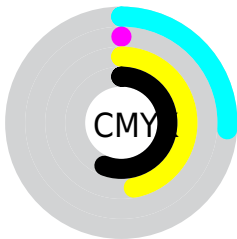
Distribution



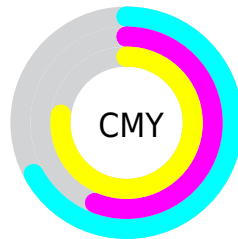
- Red (33%)
- Green (44%)
- Blue (23%)



- Red (23%)
- Yellow (44%)
- Blue (35%)



- Cyan (26%)
- Magenta (0%)
- Yellow (47%)
- Black (56%)





- Cyan (67%)
- Magenta (56%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7431, 0.3367, 0.4558 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 13.7431, 0.3367, 0.4558 by changing the saturation by 10% instead.


 13.7431, 0.3367,
0.4558


 13.7431, 0.3367,
0.4558


215.6267, 0.3247,
0.3769


 7.9422, 0.3385,
0.4832


 32.6325, 0.3328,
0.4221


 4.0580, 0.3386,
0.5245

 46.4898, 0.3311,
0.4111

 1.7061, 0.3591,
0.6409

 63.8013, 0.3297,
0.4024

 0.4276, 0.0000,
1.0000

 84.9515, 0.3284,
0.3953

 0.0000, 0.0000,
0.0000

 110.3248, 0.3273,
0.3895

 140.3055, 0.3263,

0.3846

175.2780, 0.3255,
0.3805

■ 13.7431, 0.3367,
0.4558

■ 13.7431, 0.3367,
0.4558

■ 13.3731, 0.3395,
0.4843

■ 14.1638, 0.3327,
0.4268

■ 13.0499, 0.3409,
0.5111

■ 14.6356, 0.3278,
0.3984

■ 12.7716, 0.3404,
0.5348

■ 15.1610, 0.3225,
0.3714

■ 12.5353, 0.3381,
0.5541

■ 15.7418, 0.3169,
0.3462

■ 12.3350, 0.3345,
0.5693


■ 16.3798, 0.3112,
0.3230

 12.2852, 0.3335,
0.5734

 17.0767, 0.3057,
0.3019

 17.8339, 0.3003,
0.2830

 18.6530, 0.2952,
0.2659

 19.5356, 0.2904,
0.2507

Harmonies

Analogous

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



13.7431, 0.4002, 0.4464



13.7431, 0.3367, 0.4558



13.7431, 0.2702, 0.4175

Triad

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



13.7431, 0.3367, 0.4558



13.7431, 0.1950, 0.2371



13.7431, 0.4129, 0.3029

Complementary

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



13.7431, 0.3367, 0.4558



6.3732, 0.2746, 0.2056

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.



13.7431, 0.3465, 0.2593



13.7431, 0.3367, 0.4558



13.7431, 0.2234, 0.2219

Square

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



13.7431, 0.3367, 0.4558



13.7431, 0.1930, 0.2794



13.7431, 0.2765, 0.2306



13.7431, 0.4493, 0.3543

Rectangle

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



13.7431, 0.3367, 0.4558



13.7431, 0.2333, 0.3716



13.7431, 0.2765, 0.2306



13.7431, 0.3928, 0.2871

Sweetspot

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



13.7437, 0.3367, 0.4558



26.9250, 0.3208, 0.3638



10.6209, 0.4017, 0.3914



6.4278, 0.3218, 0.3682



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.



13.7437, 0.3367, 0.4558



23.4225, 0.3398, 0.4876



12.8528, 0.3044, 0.4639



3.8303, 0.3178, 0.3503



14.1893, 0.3330, 0.5738



70.1842, 0.3292, 0.5768

Inverse Universe

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



6.3732, 0.2746, 0.2056



8.7318, 0.2625, 0.1757



7.7045, 0.3210, 0.2233



3.3819, 0.3072, 0.3078



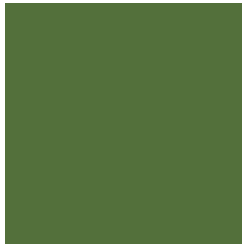
2.4953, 0.2153, 0.0960



11.9124, 0.2101, 0.0931

Previews

White Background



This preview shows how the Yxy color 13.7431, 0.3367, 0.4558 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 13.7431, 0.3367, 0.4558 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 13.7431, 0.3367, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 13.7431, 0.3367, 0.4558.



This preview shows how white text looks on a background with the Yxy color 13.7431, 0.3367, 0.4558.

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

13.7431, 0.3367, 0.4558

Protanopia

13.5634, 0.3936, 0.4270

Deuteranopia

13.6315, 0.4070, 0.4023



Tritanopia

13.7471, 0.2831, 0.3113

Trichromacy



Original Color

13.7431, 0.3367, 0.4558

Protanomaly

13.4870, 0.3724, 0.4373

Deuteranomaly

13.5525, 0.3800, 0.4214

Tritanomaly

13.6080, 0.3031, 0.3616

Monochromacy



Original Color

13.7431, 0.3367, 0.4558

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.4026, 0.3237, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7431, 0.3367, 0.4558 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(83, 112, 59)` looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 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(83, 112, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 59) }
```

Border

The CSS property to change the border of an element to Yxy 13.7431, 0.3367, 0.4558 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(83, 112, 59) }
```

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

```
.border{ border-color:rgb(83, 112, 59) }
```

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

Here you see how a box with a 4 pixel rgb(83, 112, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 59);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7431, 0.3367, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 59) }
```

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

```
.background{ background-color: rgb(83, 112,  
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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