

Converting Colors

$Y_{xy}(12.6029, 0.3367, 0.3463)$

Have a look what the booklet for
Yxy(12.6029, 0.3367, 0.3463)
contains.

Yxy(12.5993, 0.3379, 0.3468)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5993, 0.3379, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	6B625A
RGB	107, 98, 90
RGB Percent	42%, 38%, 35%
CMY	0.5804, 0.6157, 0.6471
CMYK	0.00, 0.08, 0.16, 0.58
HSL	28°, 9%, 39%
HSV	28°, 16%, 42%
XYZ	12.2760, 12.5993, 11.4549
YIQ	99.7790, 7.9320, -0.5800

Conversions

Conversions Part 2

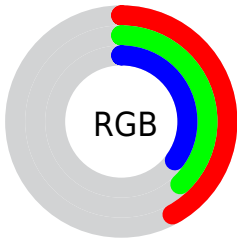
Format	Color
R_{YB}	107, 105, 90
Decimal	7037530
CIE Lab	42.15, 2.08, 5.85
CIE LCh	42, 6.208, 70.418
Yxy	12.5993, 0.3379, 0.3468
Android (android.graphics.Color)	4285227610 (0xFF6B625A)
YUV	99.7790, -4.8210, 6.3328
Hunter-Lab	35.4955, -0.3837, 5.7131

Details

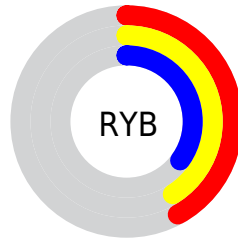
The Yxy color **12.5993, 0.3379, 0.3468** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1550, 0.2894, 0.3105**, and the grayscale version is **12.6958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6574, 0.3309, 0.3429**, and **3.5985, 0.3534, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **11.4089, 0.3566, 0.3587**, and if you desaturate by 10%, it is **13.8919, 0.3214, 0.3354**.

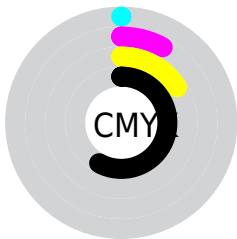
Distribution



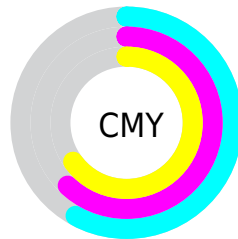
- Red (42%)
- Green (38%)
- Blue (35%)



- Red (42%)
- Yellow (41%)
- Blue (35%)



- Cyan (0%)
- Magenta (8%)
- Yellow (16%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5993, 0.3379, 0.3468 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 12.5993, 0.3379, 0.3468 by changing the saturation by 10% instead.

■ 12.5993, 0.3379,
0.3468

■ 12.5993, 0.3379,
0.3468

■ 208.3334, 0.3226,
0.3361

■ 7.1532, 0.3432,
0.3504

■ 30.5820, 0.3314,
0.3423

■ 3.5581, 0.3512,
0.3558

■ 43.8874, 0.3293,
0.3408

■ 1.4296, 0.3649,
0.3648

■ 60.5814, 0.3276,
0.3396

■ 0.2384, 0.5378,
0.4622

■ 81.0483, 0.3262,
0.3387

■ 0.0000, 0.0000,
0.0000

■ 105.6726, 0.3251,
0.3379

134.8386, 0.3241,

0.3372

168.9307, 0.3233,
0.3366

■ 12.5993, 0.3379,
0.3468

■ 12.5993, 0.3379,
0.3468

■ 11.4089, 0.3566,
0.3587

■ 13.8919, 0.3214,
0.3354

■ 10.3164, 0.3776,
0.3708

■ 15.2876, 0.3070,
0.3247

■ 9.3196, 0.4010,
0.3826

■ 16.7894, 0.2945,
0.3147

■ 8.4154, 0.4264,
0.3934

■ 18.3995, 0.2835,
0.3054

■ 7.6009, 0.4533,
0.4024

■ 20.1204, 0.2738,
0.2969

■ 6.8727, 0.4806,
0.4085

■ 21.9542, 0.2654,
0.2891

■ 6.2271, 0.5067,
0.4107

■ 23.9030, 0.2580,
0.2819

■ 5.6581, 0.5311,
0.4089

■ 25.9689, 0.2515,
0.2753

■ 5.4432, 0.5416,
0.4082

■ 28.1539, 0.2458,
0.2693

Harmonies

Analogous

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



12.5993, 0.3387, 0.3369



12.5993, 0.3379, 0.3468



12.5993, 0.3303, 0.3522

Triad

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



12.5993, 0.3379, 0.3468



12.5993, 0.2934, 0.3324



12.5993, 0.3070, 0.3080

Complementary

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



12.5993, 0.3379, 0.3468



12.1550, 0.2894, 0.3105

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.



12.5993, 0.2952, 0.3064



12.5993, 0.3379, 0.3468



12.5993, 0.2875, 0.3202

Square

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



12.5993, 0.3379, 0.3468



12.5993, 0.3045, 0.3439



12.5993, 0.2881, 0.3108



12.5993, 0.3206, 0.3148

Rectangle

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



12.5993, 0.3379, 0.3468



12.5993, 0.3224, 0.3523



12.5993, 0.2881, 0.3108



12.5993, 0.3027, 0.3068

Sweetspot

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



12.5999, 0.3379, 0.3468



25.0586, 0.3203, 0.3346



11.3381, 0.3264, 0.3090



6.0343, 0.3211, 0.3352



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.



12.5999, 0.3379, 0.3468



21.7657, 0.3444, 0.3511



14.2610, 0.3352, 0.3647



3.3300, 0.3263, 0.3388



6.5614, 0.5431, 0.4070



31.7199, 0.5518, 0.4000

Inverse Universe

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



12.1550, 0.2894, 0.3105



20.8100, 0.2840, 0.3059



10.6409, 0.2887, 0.2906



3.2652, 0.2997, 0.3190



4.7393, 0.1816, 0.1738



22.3975, 0.1791, 0.1647

Previews

White Background



This preview shows how the Yxy color 12.5993, 0.3379, 0.3468 looks on a white background.

Color Contrast Check

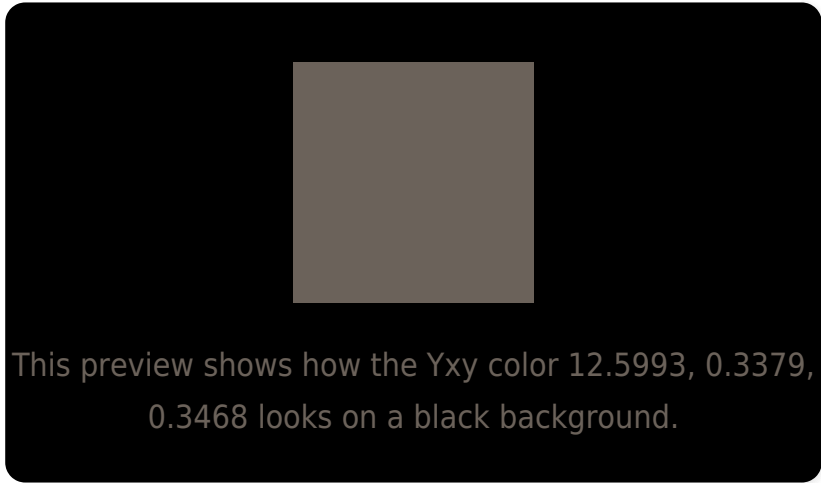
Large Text (above 18pt) WCAG AA ✓ Pass

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

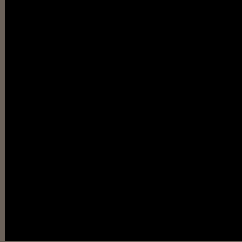
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5993, 0.3379, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 12.5993, 0.3379, 0.3468.

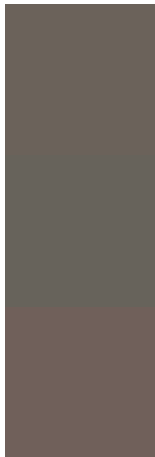


This preview shows how white text looks on a background with the Yxy color 12.5993, 0.3379, 0.3468.

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

12.5993, 0.3379, 0.3468

Protanopia

12.5626, 0.3299, 0.3470

Deuteranopia

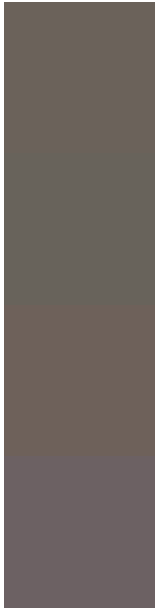
12.5487, 0.3465, 0.3421



Tritanopia

12.6164, 0.3211, 0.3119

Trichromacy



Original Color

12.5993, 0.3379, 0.3468

Protanomaly

12.6221, 0.3315, 0.3470

Deuteranomaly

12.6026, 0.3429, 0.3444

Tritanomaly

12.6384, 0.3266, 0.3247

Monochromacy



Original Color

12.5993, 0.3379, 0.3468

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6518, 0.3228, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5993, 0.3379, 0.3468 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, 98, 90)` looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 90)  
}
```

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, 98, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 90) }
```

Border

The CSS property to change the border of an element to Yxy 12.5993, 0.3379, 0.3468 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, 98, 90) }
```

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

```
.border{ border-color:rgb(107, 98, 90) }
```

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

Here you see how a box with a 4 pixel rgb(107, 98, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 98, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 98, 90);  
box-shadow:4px 4px 4px 4px rgb(107, 98,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5993, 0.3379, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 90) }
```

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

```
.background{ background-color: rgb(107, 98,  
90) }
```

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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