

Converting Colors

$Y_{xy}(10.7944, 0.3181, 0.4326)$

Have a look what the booklet for
Yxy(10.7944, 0.3181, 0.4326)
contains.

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Color

Yxy(10.7274, 0.3175, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	45643E
RGB	69, 100, 62
RGB Percent	27%, 39%, 24%
CMY	0.7294, 0.6078, 0.7569
CMYK	0.31, 0.00, 0.38, 0.61
HSL	109°, 23%, 32%
HSV	109°, 38%, 39%
XYZ	7.8805, 10.7274, 6.2126
YIQ	86.3990, -6.2780, -18.3900

Conversions

Conversions Part 2

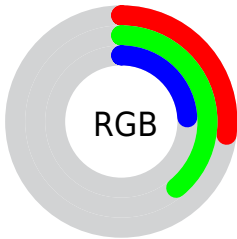
Format	Color
RYB	62, 100, 93
Decimal	4547646
CIELab	39.12, -19.55, 18.03
CIELCh	39, 26.597, 137.308
Yxy	10.7274, 0.3175, 0.4322
Android (android.graphics.Color)	4282737726 (0xFF45643E)
YUV	86.3990, -12.0287, -15.2589
Hunter-Lab	32.7527, -14.3691, 11.6807

Details

The Yxy color **10.7274, 0.3175, 0.4322** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.6933, 0.3035, 0.2379**, and the grayscale version is **9.4225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1106, 0.3172, 0.4027**, and **2.7754, 0.3126, 0.4974** is the 20% darker color. If you saturate the color by 10%, you get **10.3498, 0.3178, 0.4638**, and if you desaturate by 10%, it is **11.1672, 0.3167, 0.4018**.

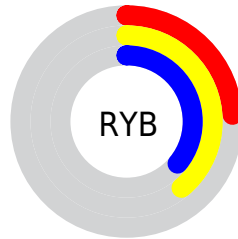
Distribution



Red (27%)

Green (39%)

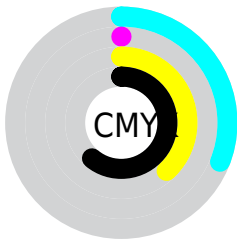
Blue (24%)



Red (24%)

Yellow (39%)

Blue (36%)

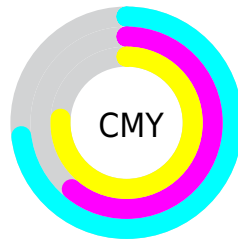


Cyan (31%)

Magenta (0%)

Yellow (38%)

Black (61%)



Cyan (73%)

Magenta (61%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7274, 0.3175, 0.4322 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 10.7274, 0.3175, 0.4322 by changing the saturation by 10% instead.


 10.7274, 0.3175,
0.4322


 10.7274, 0.3175,
0.4322


195.7877, 0.3161,
0.3658


 5.8838, 0.3165,
0.4576

 27.1550, 0.3176,
0.4028


 2.7746, 0.3131,
0.4988


 39.5078, 0.3174,
0.3935

 1.0152, 0.3220,
0.6780

 55.1324, 0.3171,
0.3863

 0.0000, 0.0000,
0.0000

 74.4134, 0.3169,
0.3806

 97.7350, 0.3166,
0.3758

 125.4816, 0.3164,

0.3719

158.0377, 0.3162,
0.3686

■ 10.7274, 0.3175,
0.4322

■ 10.7274, 0.3175,
0.4322

■ 10.3498, 0.3178,
0.4638

■ 11.1672, 0.3167,
0.4018

■ 10.0303, 0.3174,
0.4955

■ 11.6703, 0.3155,
0.3735

■ 9.7663, 0.3163,
0.5254

■ 12.2398, 0.3140,
0.3478

■ 9.5544, 0.3143,
0.5519

■ 12.8779, 0.3124,
0.3246

■ 9.3912, 0.3116,
0.5730

■ 13.5869, 0.3107,
0.3040

■ 9.2685, 0.3091,
0.5897

■ 14.3688, 0.3090,
0.2858

■ 9.2476, 0.3088,
0.5930

■ 15.2256, 0.3074,
0.2698

■ 16.1593, 0.3058,
0.2558

■ 17.1718, 0.3043,
0.2435

Harmonies

Analogous

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



10.7274, 0.3754, 0.4372



10.7274, 0.3175, 0.4322



10.7274, 0.2612, 0.3888

Triad

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



10.7274, 0.3175, 0.4322



10.7274, 0.2136, 0.2422



10.7274, 0.4121, 0.3197

Complementary

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



10.7274, 0.3175, 0.4322



6.6933, 0.3035, 0.2379

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.



10.7274, 0.3604, 0.2778



10.7274, 0.3175, 0.4322



10.7274, 0.2459, 0.2345

Square

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



10.7274, 0.3175, 0.4322



10.7274, 0.2050, 0.2733



10.7274, 0.2983, 0.2476



10.7274, 0.4337, 0.3664

Rectangle

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



10.7274, 0.3175, 0.4322



10.7274, 0.2321, 0.3476



10.7274, 0.2983, 0.2476



10.7274, 0.3974, 0.3049

Sweetspot

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



10.7279, 0.3175, 0.4322



21.1115, 0.3145, 0.3560



10.7817, 0.3715, 0.4011



5.1718, 0.3146, 0.3584



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.7279, 0.3175, 0.4322



18.1833, 0.3178, 0.4617



10.6257, 0.2939, 0.4025



3.1646, 0.3141, 0.3501



12.3652, 0.3079, 0.5937



64.2013, 0.3052, 0.5958

Inverse Universe

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



6.6933, 0.3035, 0.2379



9.9469, 0.3003, 0.2157



6.8695, 0.3389, 0.2656



2.8649, 0.3111, 0.3085



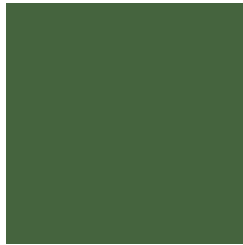
3.5927, 0.2766, 0.1298



18.3883, 0.2740, 0.1283

Previews

White Background



This preview shows how the Yxy color 10.7274, 0.3175, 0.4322 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 10.7274, 0.3175, 0.4322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

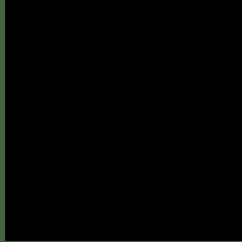
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7274, 0.3175, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 10.7274, 0.3175, 0.4322.



This preview shows how white text looks on a background with the Yxy color 10.7274, 0.3175, 0.4322.

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

10.7274, 0.3175, 0.4322

Protanopia

10.6794, 0.3764, 0.4071

Deuteranopia

10.6123, 0.3861, 0.3811



Tritanopia

10.7002, 0.2750, 0.3091

Trichromacy



Original Color

10.7274, 0.3175, 0.4322

Protanomaly

10.6345, 0.3538, 0.4168

Deuteranomaly

10.4041, 0.3584, 0.3981

Tritanomaly

10.6704, 0.2901, 0.3524

Monochromacy



Original Color

10.7274, 0.3175, 0.4322

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.7235, 0.3157, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7274, 0.3175, 0.4322 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(69, 100, 62)` looks like.

```
.text, #text, p{  
    color:rgb(69, 100, 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(69, 100, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 100, 62) }
```

Border

The CSS property to change the border of an element to Yxy 10.7274, 0.3175, 0.4322 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(69, 100, 62) }
```

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

```
.border{ border-color:rgb(69, 100, 62) }
```

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

Here you see how a box with a 4 pixel rgb(69, 100, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 100, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 100, 62);  
box-shadow:4px 4px 4px 4px rgb(69, 100,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7274, 0.3175, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 100, 62) }
```

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

```
.background{ background-color: rgb(69, 100,  
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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