

Converting Colors

$Y_{xy}(10.1237, 0.3171, 0.3960)$

Have a look what the booklet for
Yxy(10.1237, 0.3171, 0.3960)
contains.

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Color

Yxy(10.1225, 0.3171, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	4B5F46
RGB	75, 95, 70
RGB Percent	29%, 37%, 27%
CMY	0.7059, 0.6274, 0.7255
CMYK	0.21, 0.00, 0.26, 0.63
HSL	108°, 15%, 32%
HSV	108°, 26%, 37%
XYZ	8.0995, 10.1225, 7.3205
YIQ	86.1700, -3.8950, -12.0150

Conversions

Conversions Part 2

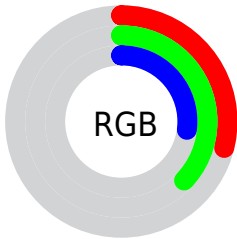
Format	Color
R_{YB}	70, 95, 90
Decimal	4939590
CIE _{Lab}	38.06, -13.00, 11.88
CIE _{LCh}	38, 17.610, 137.557
Yxy	10.1225, 0.3171, 0.3963
Android (android.graphics.Color)	4283129670 (0xFF4B5F46)
YUV	86.1700, -7.9718, -9.7961
Hunter-Lab	31.8159, -10.2361, 8.6291

Details

The Yxy color **10.1225, 0.3171, 0.3963** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.3793, 0.3063, 0.2668**, and the grayscale version is **9.3623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1509, 0.3166, 0.3787**, and **2.5472, 0.3171, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **9.7240, 0.3182, 0.4260**, and if you desaturate by 10%, it is **10.5774, 0.3156, 0.3687**.

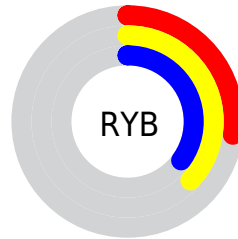
Distribution



Red (29%)

Green (37%)

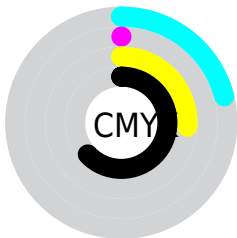
Blue (27%)



Red (27%)

Yellow (37%)

Blue (35%)

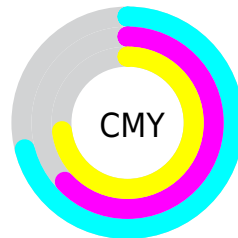


Cyan (21%)

Magenta (0%)

Yellow (26%)

Black (63%)



Cyan (71%)


Magenta (63%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1225, 0.3171, 0.3963 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 10.1225, 0.3171, 0.3963 by changing the saturation by 10% instead.


 10.1225, 0.3171,
0.3963


 10.1225, 0.3171,
0.3963


191.5441, 0.3150,
0.3531


 5.4803, 0.3173,
0.4129

 26.0257, 0.3165,
0.3772


 2.5317, 0.3168,
0.4401


 38.0554, 0.3162,
0.3712

 0.8925, 0.3394,
0.5705

 53.3163, 0.3159,
0.3665

 0.0000, 0.0000,
0.0000

 72.1930, 0.3157,
0.3628

 95.0697, 0.3155,
0.3597

122.3309, 0.3153,

0.3571

154.3609, 0.3151,
0.3550

■ 10.1225, 0.3171,
0.3963

■ 10.1225, 0.3171,
0.3963

■ 9.7240, 0.3182,
0.4260

■ 10.5774, 0.3156,
0.3687

■ 9.3785, 0.3188,
0.4571

■ 11.0896, 0.3139,
0.3436

■ 9.0841, 0.3188,
0.4885


■ 11.6613, 0.3120,
0.3210


■ 8.8382, 0.3179,
0.5186


■ 12.2945, 0.3101,
0.3009

■ 8.6383, 0.3162,
0.5456

■ 12.9909, 0.3082,
0.2832

 8.4812, 0.3136,
0.5678


 13.7521, 0.3064,
0.2675

 8.3610, 0.3108,
0.5855

 14.5800, 0.3046,
0.2538

 8.3235, 0.3102,
0.5919

 15.4759, 0.3029,
0.2417

 16.4415, 0.3014,
0.2311

Harmonies

Analogous

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



10.1225, 0.3566, 0.4021



10.1225, 0.3171, 0.3963



10.1225, 0.2780, 0.3681

Triad

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



10.1225, 0.3171, 0.3963



10.1225, 0.2436, 0.2692



10.1225, 0.3797, 0.3242

Complementary

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



10.1225, 0.3171, 0.3963



7.3793, 0.3063, 0.2668

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.



10.1225, 0.3457, 0.2938



10.1225, 0.3171, 0.3963



10.1225, 0.2672, 0.2627

Square

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



10.1225, 0.3171, 0.3963



10.1225, 0.2373, 0.2921



10.1225, 0.3040, 0.2718



10.1225, 0.3945, 0.3575

Rectangle

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



10.1225, 0.3171, 0.3963



10.1225, 0.2573, 0.3419



10.1225, 0.3040, 0.2718



10.1225, 0.3700, 0.3135

Sweetspot

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



10.1229, 0.3171, 0.3963



18.8167, 0.3142, 0.3482



10.1174, 0.3523, 0.3773



4.4851, 0.3144, 0.3509



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.1229, 0.3171, 0.3963



16.8738, 0.3179, 0.4158



10.0236, 0.3000, 0.3777



2.8781, 0.3143, 0.3498



11.8086, 0.3091, 0.5928



62.7725, 0.3061, 0.5951

Inverse Universe

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



7.3793, 0.3063, 0.2668



11.2518, 0.3042, 0.2506



7.5160, 0.3284, 0.2848



2.6050, 0.3109, 0.3087



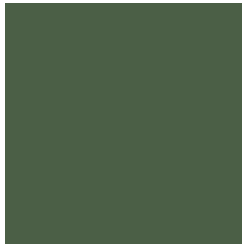
3.3341, 0.2728, 0.1277



17.4382, 0.2698, 0.1260

Previews

White Background



This preview shows how the Yxy color 10.1225, 0.3171, 0.3963 looks on a white background.

Color Contrast Check

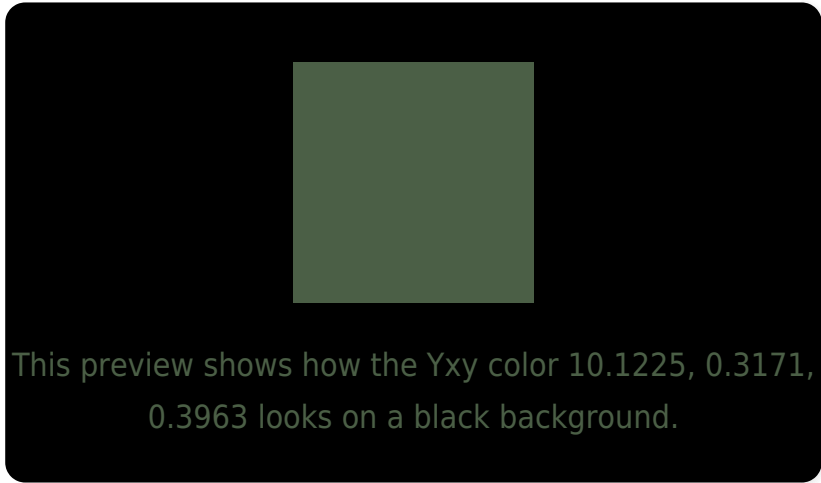
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1225, 0.3171, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 10.1225, 0.3171, 0.3963.



This preview shows how white text looks on a background with the Yxy color 10.1225, 0.3171, 0.3963.

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

10.1225, 0.3171, 0.3963

Protanopia

10.0368, 0.3592, 0.3831

Deuteranopia

10.0665, 0.3670, 0.3620



Tritanopia

10.0885, 0.2849, 0.3090

Trichromacy



Original Color

10.1225, 0.3171, 0.3963

Protanomaly

9.9742, 0.3426, 0.3879

Deuteranomaly

9.9268, 0.3475, 0.3740

Tritanomaly

9.9786, 0.2969, 0.3393

Monochromacy



Original Color

10.1225, 0.3171, 0.3963

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.5178, 0.3149, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1225, 0.3171, 0.3963 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(75, 95, 70)` looks like.

```
.text, #text, p{  
    color:rgb(75, 95, 70)  
}
```

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(75, 95, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 95, 70) }
```

Border

The CSS property to change the border of an element to Yxy 10.1225, 0.3171, 0.3963 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(75, 95, 70) }
```

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

```
.border{ border-color:rgb(75, 95, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 95, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 95, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 95, 70);  
box-shadow:4px 4px 4px 4px rgb(75, 95, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1225, 0.3171, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 95, 70) }
```

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

```
.background{ background-color: rgb(75, 95,  
70) }
```

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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