

Converting Colors

$Y_{xy}(10.3631, 0.4026, 0.4734)$

Have a look what the booklet for
Yxy(10.3631, 0.4026, 0.4734)
contains.

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Color

Yxy(10.2971, 0.4026, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	5E5D1D
RGB	94, 93, 29
RGB Percent	37%, 36%, 11%
CMY	0.6314, 0.6353, 0.8863
CMYK	0.00, 0.01, 0.69, 0.63
HSL	59°, 53%, 24%
HSV	59°, 69%, 37%
XYZ	8.7516, 10.2971, 2.6889
YIQ	86.0030, 21.1400, -19.6920

Conversions

Conversions Part 2

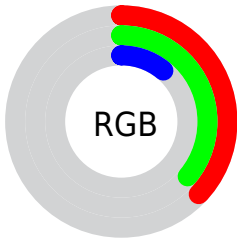
Format	Color
RYB	30, 94, 29
Decimal	6184221
CIELab	38.37, -8.58, 35.50
CIElCh	38, 36.521, 103.580
Yxy	10.2971, 0.4026, 0.4737
Android (android.graphics.Color)	4284374301 (0xFF5E5D1D)
YUV	86.0030, -28.1025, 7.0134
Hunter-Lab	32.0891, -7.4742, 17.4941

Details

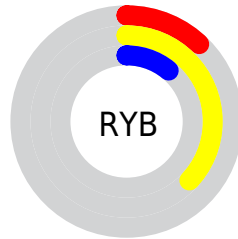
The Yxy color **10.2971, 0.4026, 0.4737** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **1.9974, 0.1893, 0.1264**, and the grayscale version is **9.3643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2917, 0.3824, 0.4368**, and **2.6139, 0.4163, 0.5077** is the 20% darker color. If you saturate the color by 10%, you get **10.2330, 0.4107, 0.4864**, and if you desaturate by 10%, it is **10.3764, 0.3924, 0.4576**.

Distribution



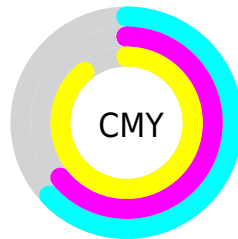
- Red (37%)
- Green (36%)
- Blue (11%)



- Red (12%)
- Yellow (37%)
- Blue (11%)



- Cyan (0%)
- Magenta (1%)
- Yellow (69%)
- Black (63%)





- Cyan (63%)
- Magenta (64%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2971, 0.4026, 0.4737 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 10.2971, 0.4026, 0.4737 by changing the saturation by 10% instead.


 10.2971, 0.4026,
0.4737


 10.2971, 0.4026,
0.4737


192.7796, 0.3509,
0.3849


 5.5964, 0.4150,
0.5010

 26.3528, 0.3830,
0.4371


 2.6012, 0.4428,
0.5572


 38.4766, 0.3757,
0.4246

 0.9273, 0.4200,
0.5800

 53.8436, 0.3697,
0.4146

 0.0000, 0.0000,
0.0000

 72.8381, 0.3646,
0.4064

 95.8446, 0.3604,
0.3997

 123.2474, 0.3568,

0.3940

155.4309, 0.3537,
0.3891

10.2971, 0.4026,
0.4737

10.2971, 0.4026,
0.4737

10.2330, 0.4107,
0.4864

10.3764, 0.3924,
0.4576

10.1813, 0.4166,
0.4955

10.4707, 0.3805,
0.4386

10.1358, 0.4214,
0.5027

10.5815, 0.3674,
0.4176

10.1319, 0.4218,
0.5033

10.7098, 0.3535,
0.3952

10.8563, 0.3394,
0.3722

■ 11.0220, 0.3253,
0.3494

■ 11.2077, 0.3116,
0.3271

■ 11.4140, 0.2985,
0.3058

■ 11.6416, 0.2862,
0.2858

Harmonies

Analogous

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



10.2971, 0.4605, 0.4257



10.2971, 0.4026, 0.4737



10.2971, 0.3252, 0.4811

Triad

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



10.2971, 0.4026, 0.4737



10.2971, 0.1707, 0.2573



10.2971, 0.3670, 0.2542

Complementary

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



10.2971, 0.4026, 0.4737



1.9974, 0.1893, 0.1264

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.



10.2971, 0.2815, 0.2180



10.2971, 0.4026, 0.4737



10.2971, 0.1785, 0.2149

Square

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



10.2971, 0.4026, 0.4737



10.2971, 0.1938, 0.3337



10.2971, 0.2155, 0.2036



10.2971, 0.4441, 0.3060

Rectangle

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



10.2971, 0.4026, 0.4737



10.2971, 0.2727, 0.4503



10.2971, 0.2155, 0.2036



10.2971, 0.3377, 0.2401

Sweetspot

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



10.2976, 0.4026, 0.4737



18.9459, 0.3429, 0.3780



3.3524, 0.5164, 0.3272



4.5290, 0.3454, 0.3820



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.



10.2976, 0.4026, 0.4737



17.8610, 0.4148, 0.4927



9.1355, 0.3475, 0.5081



2.6816, 0.3248, 0.3486



14.0151, 0.4218, 0.5032



76.6230, 0.4220, 0.5031

Inverse Universe

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



1.9974, 0.1893, 0.1264



2.1596, 0.1652, 0.0863



2.6607, 0.2432, 0.1488



2.2865, 0.3002, 0.3086



1.1543, 0.1505, 0.0617



6.2012, 0.1502, 0.0607

Previews

White Background



This preview shows how the Yxy color 10.2971, 0.4026, 0.4737 looks on a white background.

Color Contrast Check

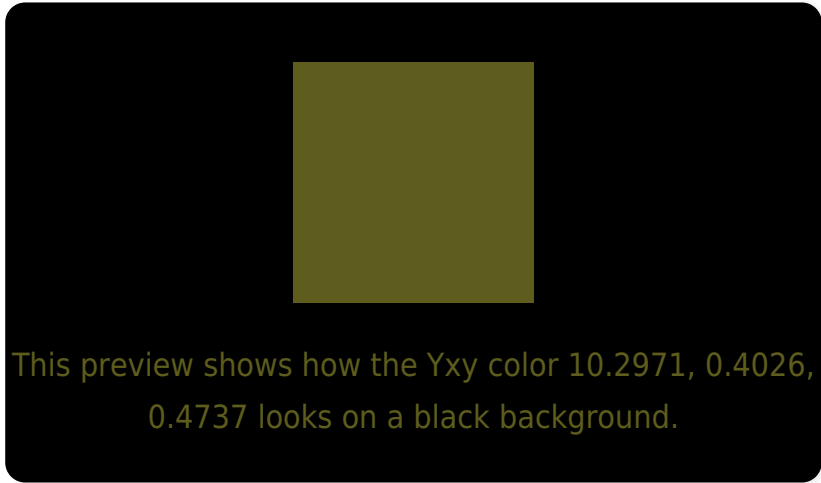
Large Text (above 18pt) WCAG AA ✓ Pass

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

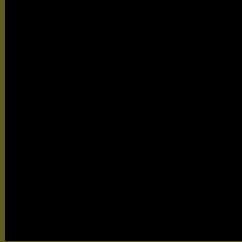
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2971, 0.4026, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 10.2971, 0.4026, 0.4737.



This preview shows how white text looks on a background with the Yxy color 10.2971, 0.4026, 0.4737.

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

10.2971, 0.4026, 0.4737

Protanopia

10.3327, 0.4187, 0.4643

Deuteranopia

10.2706, 0.4431, 0.4376



Tritanopia

10.3339, 0.3234, 0.3128

Trichromacy



Original Color

10.2971, 0.4026, 0.4737

Protanomaly

10.3348, 0.4120, 0.4693

Deuteranomaly

10.3079, 0.4274, 0.4513

Tritanomaly

10.1836, 0.3579, 0.3751

Monochromacy



Original Color

10.2971, 0.4026, 0.4737

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6503, 0.3500, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2971, 0.4026, 0.4737 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 $rgb(94, 93, 29)$ looks like.

```
.text, #text, p{  
    color:rgb(94, 93, 29)  
}
```

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(94, 93, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 93, 29) }
```

Border

The CSS property to change the border of an element to Yxy 10.2971, 0.4026, 0.4737 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(94, 93, 29) }
```

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

```
.border{ border-color:rgb(94, 93, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 93, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 93, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 93, 29);  
box-shadow:4px 4px 4px 4px rgb(94, 93, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2971, 0.4026, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 93, 29) }
```

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

```
.background{ background-color: rgb(94, 93,  
29) }
```

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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