

Converting Colors

$Y_{xy}(12.2375, 0.3459, 0.4030)$

Have a look what the booklet for
Yxy(12.2375, 0.3459, 0.4030)
contains.

Yxy(12.1825, 0.3463, 0.4027)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1825, 0.3463, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	5F6546
RGB	95, 101, 70
RGB Percent	37%, 40%, 27%
CMY	0.6276, 0.6039, 0.7255
CMYK	0.06, 0.00, 0.31, 0.60
HSL	72°, 18%, 34%
HSV	72°, 31%, 40%
XYZ	10.4763, 12.1825, 7.5933
YIQ	95.6720, 6.3750, -10.9130

Conversions

Conversions Part 2

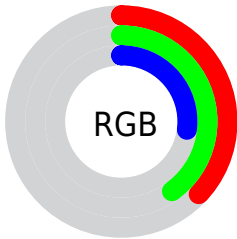
Format	Color
R_{YB}	70, 101, 76
Decimal	6251846
CIE Lab	41.50, -8.13, 16.82
CIE LCh	42, 18.686, 115.801
Yxy	12.1825, 0.3463, 0.4027
Android (android.graphics.Color)	4284441926 (0xFF5F6546)
YUV	95.6720, -12.6563, -0.5893
Hunter-Lab	34.9034, -7.5042, 11.5338

Details

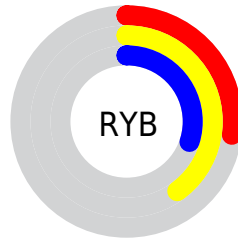
The Yxy color **12.1825, 0.3463, 0.4027** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.8580, 0.2723, 0.2483**, and the grayscale version is **11.6430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8994, 0.3380, 0.3826**, and **3.3413, 0.3611, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **11.9620, 0.3567, 0.4274**, and if you desaturate by 10%, it is **12.4282, 0.3354, 0.3779**.

Distribution



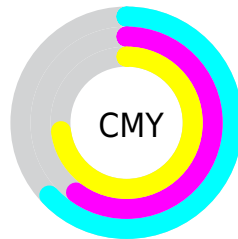
- Red (37%)
- Green (40%)
- Blue (27%)



- Red (27%)
- Yellow (40%)
- Blue (30%)



- Cyan (6%)
- Magenta (0%)
- Yellow (31%)
- Black (60%)



- Cyan (63%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1825, 0.3463, 0.4027 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 12.1825, 0.3463, 0.4027 by changing the saturation by 10% instead.

■ 12.1825, 0.3463,
0.4027

■ 12.1825, 0.3463,
0.4027

■ 205.6098, 0.3265,
0.3570

■ 6.8681, 0.3525,
0.4188

■ 29.8271, 0.3382,
0.3832

■ 3.3797, 0.3610,
0.4435

■ 42.9260, 0.3355,
0.3768

■ 1.3331, 0.3987,
0.5192

■ 59.3886, 0.3332,
0.3718

■ 0.1666, 0.0000,
1.0000

■ 79.5992, 0.3314,
0.3677

■ 0.0000, 0.0000,
0.0000

■ 103.9422, 0.3299,
0.3643

132.8020, 0.3285,

0.3615

166.5631, 0.3274,
0.3591

■ 12.1825, 0.3463,
0.4027

■ 12.1825, 0.3463,
0.4027

■ 11.9620, 0.3567,
0.4274

■ 12.4282, 0.3354,
0.3779

■ 11.7641, 0.3661,
0.4512

■ 12.6984, 0.3244,
0.3537

■ 11.5880, 0.3741,
0.4733

■ 12.9948, 0.3135,
0.3306

■ 11.4324, 0.3804,
0.4928

■ 13.3181, 0.3029,
0.3088

■ 11.2959, 0.3845,
0.5088

■ 13.6694, 0.2929,
0.2885

■ 11.1768, 0.3863,
0.5209

■ 14.0492, 0.2834,
0.2698

■ 11.0739, 0.3872,
0.5308

■ 14.4586, 0.2746,
0.2527

■ 14.8981, 0.2665,
0.2371

■ 15.3686, 0.2590,
0.2230

Harmonies

Analogous

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



12.1825, 0.3790, 0.3923



12.1825, 0.3463, 0.4027



12.1825, 0.3059, 0.3904

Triad

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



12.1825, 0.3463, 0.4027



12.1825, 0.2374, 0.2844



12.1825, 0.3563, 0.3016

Complementary

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



12.1825, 0.3463, 0.4027



6.8580, 0.2723, 0.2483

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.



12.1825, 0.3155, 0.2768



12.1825, 0.3463, 0.4027



12.1825, 0.2486, 0.2659

Square

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



12.1825, 0.3463, 0.4027



12.1825, 0.2444, 0.3175



12.1825, 0.2763, 0.2639



12.1825, 0.3859, 0.3334

Rectangle

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



12.1825, 0.3463, 0.4027



12.1825, 0.2802, 0.3701



12.1825, 0.2763, 0.2639



12.1825, 0.3433, 0.2923

Sweetspot

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



12.1830, 0.3463, 0.4027



21.8663, 0.3228, 0.3503



8.3350, 0.3719, 0.3430



5.3671, 0.3240, 0.3529



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.



12.1830, 0.3463, 0.4027



20.6286, 0.3540, 0.4209



11.4493, 0.3230, 0.4085



3.2424, 0.3224, 0.3496



14.5008, 0.3867, 0.5312



75.2658, 0.3847, 0.5327

Inverse Universe

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



6.8580, 0.2723, 0.2483



9.8768, 0.2606, 0.2260



7.5538, 0.2984, 0.2541



2.7870, 0.3025, 0.3079



1.4066, 0.1623, 0.0668



7.0343, 0.1583, 0.0646

Previews

White Background



This preview shows how the Yxy color 12.1825, 0.3463, 0.4027 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 12.1825, 0.3463, 0.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

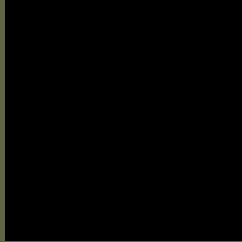
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

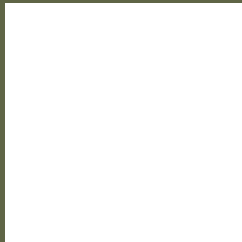
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.1825, 0.3463, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 12.1825, 0.3463, 0.4027.

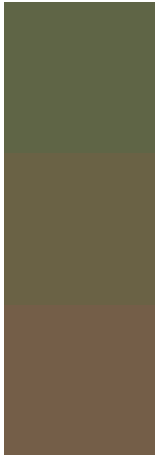


This preview shows how white text looks on a background with the Yxy color 12.1825, 0.3463, 0.4027.

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

12.1825, 0.3463, 0.4027

Protanopia

12.2292, 0.3672, 0.3944

Deuteranopia

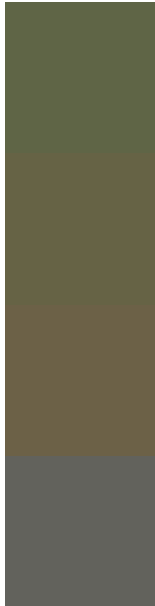
12.1863, 0.3820, 0.3762



Tritanopia

12.2015, 0.3061, 0.3133

Trichromacy



Original Color

12.1825, 0.3463, 0.4027

Protanomaly

12.1781, 0.3601, 0.3981

Deuteranomaly

12.1925, 0.3682, 0.3872

Tritanomaly

12.1047, 0.3211, 0.3429

Monochromacy



Original Color

12.1825, 0.3463, 0.4027

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9103, 0.3251, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1825, 0.3463, 0.4027 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(95, 101, 70) looks like.

```
.text, #text, p{  
    color:rgb(95, 101, 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(95, 101, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 101, 70) }
```

Border

The CSS property to change the border of an element to Yxy 12.1825, 0.3463, 0.4027 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(95, 101, 70) }
```

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

```
.border{ border-color:rgb(95, 101, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 101, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 101, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 101, 70);  
box-shadow:4px 4px 4px 4px rgb(95, 101,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1825, 0.3463, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 101, 70) }
```

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

```
.background{ background-color: rgb(95, 101,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor