

Converting Colors

$Y_{xy}(10.2263, 0.3677, 0.4670)$

Have a look what the booklet for
Yxy(10.2263, 0.3677, 0.4670)
contains.

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Color

Yxy(10.1835, 0.3683, 0.4654)

Conversions

Conversions Part 1

Format	Color
Hex	535F29
RGB	83, 95, 41
RGB Percent	33%, 37%, 16%
CMY	0.6746, 0.6274, 0.8392
CMYK	0.13, 0.00, 0.57, 0.63
HSL	73°, 40%, 27%
HSV	73°, 57%, 37%
XYZ	8.0588, 10.1835, 3.6388
YIQ	85.2560, 10.1820, -19.3380

Conversions

Conversions Part 2

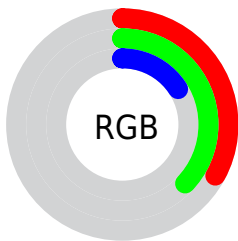
Format	Color
R_{YB}	41, 95, 53
Decimal	5463849
CIE Lab	38.17, -13.83, 28.97
CIE LCh	38, 32.107, 115.519
Yxy	10.1835, 0.3683, 0.4654
Android (android.graphics.Color)	4283653929 (0xFF535F29)
YUV	85.2560, -21.8182, -1.9785
Hunter-Lab	31.9116, -10.7676, 15.5774

Details


The Yxy color **10.1835, 0.3683, 0.4654** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.1699, 0.2313, 0.1694**, and the grayscale version is **9.1857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0237, 0.3569, 0.4276**, and **2.5899, 0.3835, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **10.0307, 0.3748, 0.4865**, and if you desaturate by 10%, it is **10.3561, 0.3602, 0.4422**.

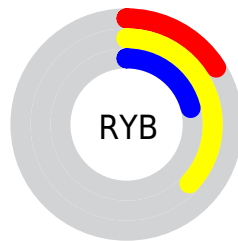
Distribution



 Red (33%)

 Green (37%)

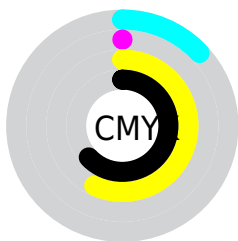
 Blue (16%)





 Red (16%)

 Yellow (37%)

 Blue (21%)

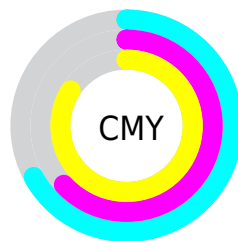



 Cyan (13%)


 Magenta (0%)

 Yellow (57%)

 Black (63%)



 Cyan (67%)


 Magenta (63%)


 Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1835, 0.3683, 0.4654 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 10.1835, 0.3683, 0.4654 by changing the saturation by 10% instead.


 10.1835, 0.3683,
0.4654


 10.1835, 0.3683,
0.4654


191.9768, 0.3366,
0.3789

 5.5208, 0.3758,
0.4958

 26.1401, 0.3563,
0.4281

 2.5559, 0.3991,
0.5645


 38.2027, 0.3518,
0.4160

 0.9046, 0.3659,
0.6341

 53.5008, 0.3482,
0.4065

 0.0000, 0.0000,
0.0000

 72.4188, 0.3451,
0.3988

 95.3409, 0.3425,
0.3925

 122.6517, 0.3402,

0.3872

154.7355, 0.3383,
0.3827

10.1835, 0.3683,
0.4654

10.1835, 0.3683,
0.4654

10.0307, 0.3748,
0.4865

10.3561, 0.3602,
0.4422

9.8953, 0.3794,
0.5045

10.5484, 0.3508,
0.4177

9.7762, 0.3818,
0.5188

10.7617, 0.3407,
0.3928

9.6689, 0.3826,
0.5304

10.9969, 0.3303,
0.3683

9.6358, 0.3829,
0.5342

11.2549, 0.3198,
0.3445

■ 11.5366, 0.3095,
0.3220

■ 11.8426, 0.2996,
0.3010

■ 12.1738, 0.2902,
0.2815

■ 12.5308, 0.2814,
0.2636

Harmonies

Analogous

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



10.1835, 0.4285, 0.4366



10.1835, 0.3683, 0.4654



10.1835, 0.2969, 0.4482

Triad

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



10.1835, 0.3683, 0.4654



10.1835, 0.1842, 0.2471



10.1835, 0.3907, 0.2796

Complementary

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



10.1835, 0.3683, 0.4654



3.1699, 0.2313, 0.1694

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.



10.1835, 0.3147, 0.2399



10.1835, 0.3683, 0.4654



10.1835, 0.2020, 0.2195

Square

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



10.1835, 0.3683, 0.4654



10.1835, 0.1943, 0.3043



10.1835, 0.2467, 0.2184



10.1835, 0.4466, 0.3308

Rectangle

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



10.1835, 0.3683, 0.4654



10.1835, 0.2526, 0.4081



10.1835, 0.2467, 0.2184



10.1835, 0.3661, 0.2647

Sweetspot

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



10.1840, 0.3683, 0.4654



18.8041, 0.3310, 0.3699



5.1126, 0.4480, 0.3590



4.4942, 0.3322, 0.3727



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.



10.1840, 0.3683, 0.4654



17.1007, 0.3765, 0.4925



9.1951, 0.3252, 0.4869



2.9430, 0.3219, 0.3493



13.6697, 0.3821, 0.5348



72.6264, 0.3798, 0.5366

Inverse Universe

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



3.1699, 0.2313, 0.1694



3.7676, 0.2088, 0.1312



4.1051, 0.2851, 0.1905



2.5399, 0.3030, 0.3082



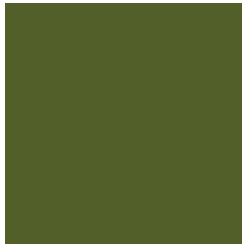
1.3806, 0.1652, 0.0684



7.0399, 0.1607, 0.0659

Previews

White Background



This preview shows how the Yxy color 10.1835, 0.3683, 0.4654 looks on a white background.

Color Contrast Check

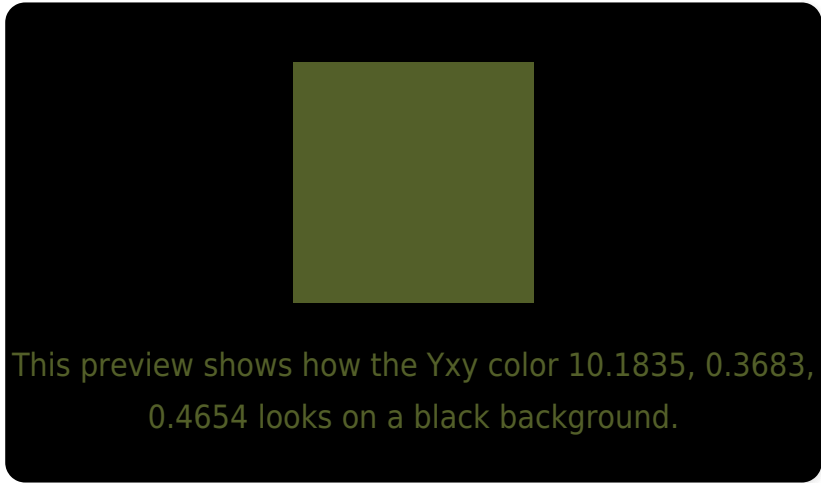
Large Text (above 18pt) WCAG AA ✓ Pass

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

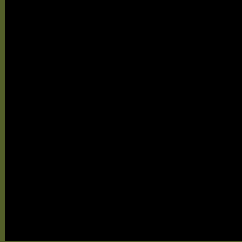
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1835, 0.3683, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 10.1835, 0.3683, 0.4654.



This preview shows how white text looks on a background with the Yxy color 10.1835, 0.3683, 0.4654.

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

10.1835, 0.3683, 0.4654

Protanopia

10.1681, 0.4062, 0.4452

Deuteranopia

10.0584, 0.4257, 0.4173



Tritanopia

10.1131, 0.3024, 0.3120

Trichromacy



Original Color

10.1835, 0.3683, 0.4654

Protanomaly

10.1872, 0.3919, 0.4523

Deuteranomaly

10.0859, 0.4041, 0.4347

Tritanomaly

10.0302, 0.3287, 0.3673

Monochromacy



Original Color

10.1835, 0.3683, 0.4654

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.4592, 0.3351, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1835, 0.3683, 0.4654 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(83, 95, 41)` looks like.

```
.text, #text, p{  
  color:rgb(83, 95, 41)  
}
```

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(83, 95, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 95, 41) }
```

Border

The CSS property to change the border of an element to Yxy 10.1835, 0.3683, 0.4654 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(83, 95, 41) }
```

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

```
.border{ border-color:rgb(83, 95, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 95, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 95, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 95, 41);  
box-shadow:4px 4px 4px 4px rgb(83, 95, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1835, 0.3683, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 95, 41) }
```

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

```
.background{ background-color: rgb(83, 95,  
41) }
```

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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