

Converting Colors

$Y_{xy}(12.1399, 0.3568, 0.3918)$

Have a look what the booklet for
Yxy(12.1399, 0.3568, 0.3918)
contains.

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Color

Yxy(12.2034, 0.3572, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	666347
RGB	102, 99, 71
RGB Percent	40%, 39%, 28%
CMY	0.6000, 0.6117, 0.7216
CMYK	0.00, 0.03, 0.30, 0.60
HSL	54°, 18%, 34%
HSV	54°, 30%, 40%
XYZ	11.0776, 12.2034, 7.7314
YIQ	96.7050, 10.7760, -8.0720

Conversions

Conversions Part 2

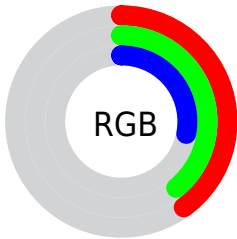
Format	Color
R_{YB}	74, 102, 71
Decimal	6710087
CIE _{Lab}	41.54, -3.77, 16.38
CIE _{LCh}	42, 16.813, 102.967
Yxy	12.2034, 0.3572, 0.3935
Android (android.graphics.Color)	4284900167 (0xFF666347)
YUV	96.7050, -12.6726, 4.6437
Hunter-Lab	34.9334, -4.5296, 11.3314

Details

The Yxy color **12.2034, 0.3572, 0.3935** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1929, 0.2639, 0.2551**, and the grayscale version is **11.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9411, 0.3452, 0.3767**, and **3.4096, 0.3769, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **11.8989, 0.3723, 0.4145**, and if you desaturate by 10%, it is **12.5333, 0.3421, 0.3720**.

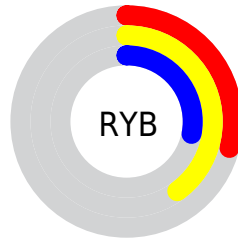
Distribution



Red (40%)

Green (39%)

Blue (28%)



Red (29%)

Yellow (40%)

Blue (28%)

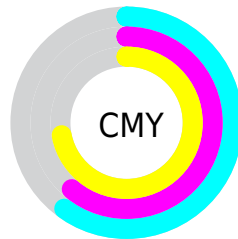


Cyan (0%)

Magenta (3%)

Yellow (30%)

Black (60%)



Cyan (60%)


Magenta (61%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2034, 0.3572, 0.3935 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 12.2034, 0.3572, 0.3935 by changing the saturation by 10% instead.


 12.2034, 0.3572,
0.3935

 12.2034, 0.3572,
0.3935


205.7472, 0.3305,
0.3539


 6.8824, 0.3659,
0.4071


 29.8650, 0.3461,
0.3768


 3.3886, 0.3786,
0.4275

 42.9744, 0.3424,
0.3713


 1.3378, 0.4216,
0.4887

 59.4486, 0.3394,
0.3669

 0.1702, 0.2905,
0.7095

 79.6722, 0.3370,
0.3633

 0.0000, 0.0000,
0.0000

 104.0294, 0.3349,
0.3604

132.9048, 0.3332,

0.3579

166.6826, 0.3317,
0.3558

■ 12.2034, 0.3572,
0.3935

■ 12.2034, 0.3572,
0.3935

■ 11.8989, 0.3723,
0.4145

■ 12.5333, 0.3421,
0.3720

■ 11.6169, 0.3868,
0.4344

■ 12.8879, 0.3274,
0.3506

■ 11.3569, 0.4004,
0.4521

■ 13.2687, 0.3133,
0.3298

■ 11.1176, 0.4123,
0.4671

■ 13.6768, 0.3000,
0.3100

■ 10.8974, 0.4223,
0.4786

■ 14.1128, 0.2876,
0.2913

■ 10.6946, 0.4299,
0.4862

■ 14.5777, 0.2762,
0.2740

■ 10.5083, 0.4362,
0.4918

■ 15.0721, 0.2658,
0.2579

■ 15.5970, 0.2563,
0.2432

■ 16.1530, 0.2477,
0.2297

Harmonies

Analogous

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



12.2034, 0.3806, 0.3775



12.2034, 0.3572, 0.3935



12.2034, 0.3226, 0.3911

Triad

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



12.2034, 0.3572, 0.3935



12.2034, 0.2452, 0.3005



12.2034, 0.3368, 0.2935

Complementary

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



12.2034, 0.3572, 0.3935



7.1929, 0.2639, 0.2551

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.



12.2034, 0.2995, 0.2751



12.2034, 0.3572, 0.3935



12.2034, 0.2484, 0.2775

Square

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



12.2034, 0.3572, 0.3935



12.2034, 0.2588, 0.3342



12.2034, 0.2676, 0.2690



12.2034, 0.3690, 0.3204

Rectangle

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



12.2034, 0.3572, 0.3935



12.2034, 0.2981, 0.3781



12.2034, 0.2676, 0.2690



12.2034, 0.3244, 0.2862

Sweetspot

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



12.2040, 0.3572, 0.3935



22.6804, 0.3257, 0.3482



7.8254, 0.3687, 0.3217



5.3341, 0.3273, 0.3504



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.



12.2040, 0.3572, 0.3935



21.0472, 0.3672, 0.4076



12.1090, 0.3361, 0.4044



3.2252, 0.3252, 0.3475



13.4687, 0.4365, 0.4916



69.5466, 0.4376, 0.4907

Inverse Universe

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



7.1929, 0.2639, 0.2551



10.8289, 0.2516, 0.2359



7.3215, 0.2834, 0.2514



2.8022, 0.2999, 0.3098



1.4725, 0.1529, 0.0703



7.0515, 0.1515, 0.0652

Previews

White Background



This preview shows how the Yxy color 12.2034, 0.3572, 0.3935 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 12.2034, 0.3572, 0.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

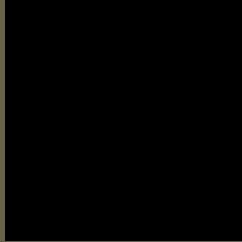
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2034, 0.3572, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 12.2034, 0.3572, 0.3935.



This preview shows how white text looks on a background with the Yxy color 12.2034, 0.3572, 0.3935.

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

12.2034, 0.3572, 0.3935

Protanopia

12.1936, 0.3627, 0.3903

Deuteranopia

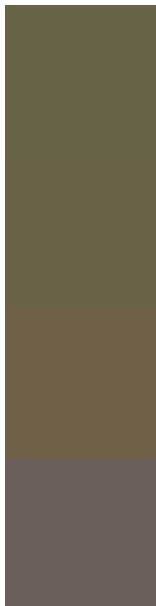
12.1863, 0.3820, 0.3762



Tritanopia

12.2079, 0.3195, 0.3137

Trichromacy



Original Color

12.2034, 0.3572, 0.3935

Protanomaly

12.1334, 0.3610, 0.3906

Deuteranomaly

12.2131, 0.3723, 0.3819

Tritanomaly

12.1243, 0.3339, 0.3403

Monochromacy



Original Color

12.2034, 0.3572, 0.3935

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0926, 0.3283, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2034, 0.3572, 0.3935 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(102, 99, 71)` looks like.

```
.text, #text, p{  
    color:rgb(102, 99, 71)  
}
```

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(102, 99, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 99, 71) }
```

Border

The CSS property to change the border of an element to Yxy 12.2034, 0.3572, 0.3935 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(102, 99, 71) }
```

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

```
.border{ border-color:rgb(102, 99, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 99, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 99, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 99, 71);  
box-shadow:4px 4px 4px 4px rgb(102, 99,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2034, 0.3572, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 99, 71) }
```

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

```
.background{ background-color: rgb(102, 99,  
71) }
```

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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