

Converting Colors

$Y_{xy}(12.2352, 0.3944, 0.4595)$

Have a look what the booklet for
Yxy(12.2352, 0.3944, 0.4595)
contains.

Yxy(12.2922, 0.3939, 0.4597)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2922, 0.3939, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	666529
RGB	102, 101, 41
RGB Percent	40%, 40%, 16%
CMY	0.6000, 0.6039, 0.8392
CMYK	0.00, 0.01, 0.60, 0.60
HSL	59°, 43%, 28%
HSV	59°, 60%, 40%
XYZ	10.5327, 12.2922, 3.9147
YIQ	94.4590, 19.8560, -18.4480

Conversions

Conversions Part 2

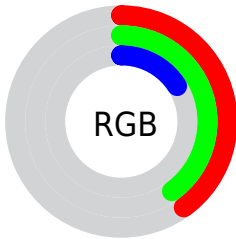
Format	Color
R_{YB}	42, 102, 41
Decimal	6710569
CIE _{Lab}	41.68, -8.44, 33.43
CIE _{LCh}	42, 34.483, 104.176
Yxy	12.2922, 0.3939, 0.4597
Android (android.graphics.Color)	4284900649 (0xFF666529)
YUV	94.4590, -26.3553, 6.6135
Hunter-Lab	35.0602, -7.7308, 17.9221

Details

The Yxy color **12.2922, 0.3939, 0.4597** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.0852, 0.2052, 0.1530**, and the grayscale version is **11.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1463, 0.3762, 0.4272**, and **3.3952, 0.4166, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **12.1985, 0.4039, 0.4756**, and if you desaturate by 10%, it is **12.4056, 0.3821, 0.4409**.

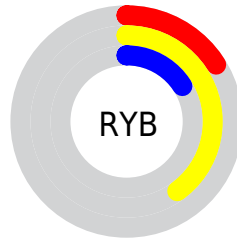
Distribution



Red (40%)

Green (40%)

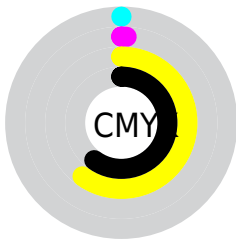
Blue (16%)



Red (16%)

Yellow (40%)

Blue (16%)

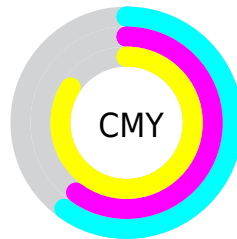


Cyan (0%)

Magenta (1%)

Yellow (60%)

Black (60%)



Cyan (60%)


Magenta (60%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2922, 0.3939, 0.4597 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 12.2922, 0.3939, 0.4597 by changing the saturation by 10% instead.


 12.2922, 0.3939,
0.4597


 12.2922, 0.3939,
0.4597


 206.3302, 0.3476,
0.3807


 6.9430, 0.4058,
0.4842


 30.0262, 0.3762,
0.4273


 3.4265, 0.4284,
0.5291

 43.1798, 0.3697,
0.4162


 1.3582, 0.4326,
0.5674

 59.7036, 0.3643,
0.4073

 0.1856, 0.0000,
1.0000

 79.9820, 0.3599,
0.4001

 0.0000, 0.0000,
0.0000

 104.3996, 0.3561,
0.3940

 133.3405, 0.3528,

0.3889

167.1893, 0.3500,
0.3845

■ 12.2922, 0.3939,
0.4597

■ 12.2922, 0.3939,
0.4597

■ 12.1985, 0.4039,
0.4756

■ 12.4056, 0.3821,
0.4409

■ 12.1213, 0.4119,
0.4879

■ 12.5382, 0.3689,
0.4198

■ 12.0595, 0.4175,
0.4964

■ 12.6918, 0.3549,
0.3973

■ 12.0053, 0.4219,
0.5030

■ 12.8676, 0.3406,
0.3742

■ 12.0043, 0.4220,
0.5031

■ 13.0665, 0.3263,
0.3511

■ 13.2895, 0.3125,
0.3286

■ 13.5375, 0.2992,
0.3070

■ 13.8113, 0.2868,
0.2867

■ 14.1117, 0.2752,
0.2679

Harmonies

Analogous

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



12.2922, 0.4455, 0.4193



12.2922, 0.3939, 0.4597



12.2922, 0.3240, 0.4625

Triad

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



12.2922, 0.3939, 0.4597



12.2922, 0.1837, 0.2647



12.2922, 0.3631, 0.2623

Complementary

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



12.2922, 0.3939, 0.4597



3.0852, 0.2052, 0.1530

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.



12.2922, 0.2866, 0.2286



12.2922, 0.3939, 0.4597



12.2922, 0.1911, 0.2258

Square

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



12.2922, 0.3939, 0.4597



12.2922, 0.2050, 0.3326



12.2922, 0.2260, 0.2151



12.2922, 0.4307, 0.3104

Rectangle

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



12.2922, 0.3939, 0.4597



12.2922, 0.2766, 0.4342



12.2922, 0.2260, 0.2151



12.2922, 0.3371, 0.2492

Sweetspot

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



12.2928, 0.3939, 0.4597



22.6129, 0.3387, 0.3712



4.5771, 0.4782, 0.3272



5.3179, 0.3418, 0.3762



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.



12.2928, 0.3939, 0.4597



21.3354, 0.4076, 0.4813



11.0589, 0.3457, 0.4864



3.2607, 0.3251, 0.3491



15.4139, 0.4220, 0.5031



80.2604, 0.4222, 0.5030

Inverse Universe

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



3.0852, 0.2052, 0.1530



3.5079, 0.1799, 0.1109



3.8646, 0.2542, 0.1708



2.7702, 0.2999, 0.3081



1.2724, 0.1505, 0.0618



6.5110, 0.1502, 0.0607

Previews

White Background



This preview shows how the Yxy color 12.2922, 0.3939, 0.4597 looks on a white background.

Color Contrast Check

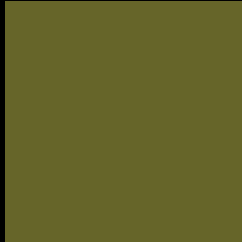
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2922, 0.3939, 0.4597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

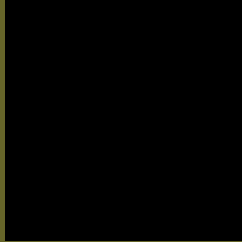
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2922, 0.3939, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 12.2922, 0.3939, 0.4597.



This preview shows how white text looks on a background with the Yxy color 12.2922, 0.3939, 0.4597.

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

12.2922, 0.3939, 0.4597

Protanopia

12.2036, 0.4117, 0.4493

Deuteranopia

12.3174, 0.4330, 0.4279



Tritanopia

12.3319, 0.3226, 0.3139

Trichromacy



Original Color

12.2922, 0.3939, 0.4597

Protanomaly

12.2027, 0.4055, 0.4537

Deuteranomaly

12.3614, 0.4189, 0.4402

Tritanomaly

12.1927, 0.3515, 0.3674

Monochromacy



Original Color

12.2922, 0.3939, 0.4597

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.5988, 0.3444, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2922, 0.3939, 0.4597 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, 101, 41)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 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(102, 101, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 41) }
```

Border

The CSS property to change the border of an element to Yxy 12.2922, 0.3939, 0.4597 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, 101, 41) }
```

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

```
.border{ border-color:rgb(102, 101, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 101, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 41);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2922, 0.3939, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 41) }
```

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

```
.background{ background-color: rgb(102,  
101, 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](#).

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