

Converting Colors

$Y_{xy}(10.6016, 0.3681, 0.4092)$

Have a look what the booklet for
Yxy(10.6016, 0.3681, 0.4092)
contains.

Yxy(10.6417, 0.3672, 0.4090)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6417, 0.3672, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	605D3C
RGB	96, 93, 60
RGB Percent	38%, 36%, 24%
CMY	0.6235, 0.6353, 0.7648
CMYK	0.00, 0.03, 0.38, 0.62
HSL	55°, 23%, 31%
HSV	55°, 38%, 38%
XYZ	9.5541, 10.6417, 5.8230
YIQ	90.1350, 12.3810, -9.6270

Conversions

Conversions Part 2

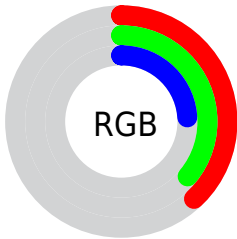
Format	Color
R_{YB}	63, 96, 60
Decimal	6315324
CIE _{Lab}	38.97, -4.46, 19.42
CIE _{LCh}	39, 19.930, 102.932
Yxy	10.6417, 0.3672, 0.4090
Android (android.graphics.Color)	4284505404 (0xFF605D3C)
YUV	90.1350, -14.8566, 5.1436
Hunter-Lab	32.6216, -4.8093, 12.2518

Details

The Yxy color **10.6417, 0.3672, 0.4090** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.3589, 0.2510, 0.2339**, and the grayscale version is **10.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9307, 0.3530, 0.3870**, and **2.7265, 0.3946, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **10.4097, 0.3816, 0.4293**, and if you desaturate by 10%, it is **10.8945, 0.3524, 0.3877**.

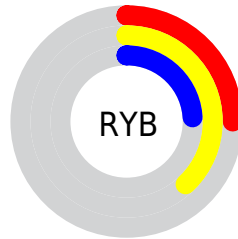
Distribution



Red (38%)

Green (36%)

Blue (24%)



Red (25%)

Yellow (38%)

Blue (24%)

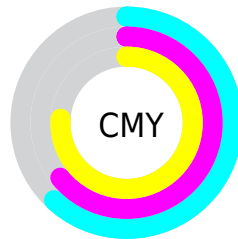


Cyan (0%)

Magenta (3%)

Yellow (38%)

Black (62%)



Cyan (62%)


Magenta (64%)

Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6417, 0.3672, 0.4090 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 10.6417, 0.3672, 0.4090 by changing the saturation by 10% instead.


 10.6417, 0.3672,
0.4090


 10.6417, 0.3672,
0.4090

 195.1926, 0.3341,
0.3591


 5.8265, 0.3780,
0.4265

 26.9957, 0.3534,
0.3876


 2.7398, 0.3935,
0.4530


 39.3032, 0.3488,
0.3807

 0.9975, 0.4557,
0.5443

 54.8769, 0.3451,
0.3752

 0.0000, 0.0000,
0.0000

 74.1013, 0.3421,
0.3708

 97.3606, 0.3396,
0.3671

 125.0394, 0.3375,

0.3640

157.5219, 0.3357,
0.3614

■ 10.6417, 0.3672,
0.4090

■ 10.6417, 0.3672,
0.4090

■ 10.4097, 0.3816,
0.4293

■ 10.8945, 0.3524,
0.3877

■ 10.1962, 0.3952,
0.4479

■ 11.1677, 0.3375,
0.3660

■ 10.0004, 0.4073,
0.4639

■ 11.4626, 0.3231,
0.3446

■ 9.8213, 0.4176,
0.4766

■ 11.7800, 0.3094,
0.3240

■ 9.6573, 0.4256,
0.4857

■ 12.1207, 0.2964,
0.3043

■ 9.5034, 0.4321,
0.4922

■ 12.4854, 0.2844,
0.2859

■ 9.4655, 0.4337,
0.4938

■ 12.8749, 0.2733,
0.2688

■ 13.2897, 0.2632,
0.2529

■ 13.7305, 0.2539,
0.2384

Harmonies

Analogous

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



10.6417, 0.3967, 0.3879



10.6417, 0.3672, 0.4090



10.6417, 0.3243, 0.4072

Triad

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



10.6417, 0.3672, 0.4090



10.6417, 0.2302, 0.2931



10.6417, 0.3423, 0.2856

Complementary

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



10.6417, 0.3672, 0.4090



5.3589, 0.2510, 0.2339

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.



10.6417, 0.2959, 0.2634



10.6417, 0.3672, 0.4090



10.6417, 0.2340, 0.2654

Square

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



10.6417, 0.3672, 0.4090



10.6417, 0.2463, 0.3350



10.6417, 0.2571, 0.2558



10.6417, 0.3827, 0.3178

Rectangle

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



10.6417, 0.3672, 0.4090



10.6417, 0.2942, 0.3910



10.6417, 0.2571, 0.2558



10.6417, 0.3267, 0.2768

Sweetspot

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



10.6422, 0.3672, 0.4090



19.8743, 0.3286, 0.3527



6.0827, 0.3868, 0.3199



4.9234, 0.3298, 0.3546



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.6422, 0.3672, 0.4090



18.2769, 0.3800, 0.4271



10.4693, 0.3410, 0.4228



2.9359, 0.3251, 0.3475



13.1250, 0.4340, 0.4936



69.4949, 0.4350, 0.4928

Inverse Universe

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



5.3589, 0.2510, 0.2339



7.5546, 0.2341, 0.2070



5.5462, 0.2751, 0.2319



2.5460, 0.3000, 0.3098



1.3777, 0.1526, 0.0692



6.7742, 0.1512, 0.0643

Previews

White Background



This preview shows how the Yxy color 10.6417, 0.3672, 0.4090 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 10.6417, 0.3672, 0.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

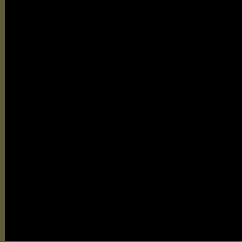
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

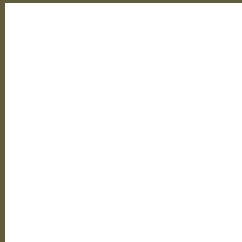
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6417, 0.3672, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 10.6417, 0.3672, 0.4090.



This preview shows how white text looks on a background with the Yxy color 10.6417, 0.3672, 0.4090.

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

10.6417, 0.3672, 0.4090

Protanopia

10.6794, 0.3764, 0.4071

Deuteranopia

10.6314, 0.3943, 0.3895



Tritanopia

10.6986, 0.3199, 0.3129

Trichromacy



Original Color

10.6417, 0.3672, 0.4090

Protanomaly

10.6227, 0.3746, 0.4077

Deuteranomaly

10.6525, 0.3837, 0.3960

Tritanomaly

10.5895, 0.3383, 0.3457

Monochromacy



Original Color

10.6417, 0.3672, 0.4090

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.3220, 0.3325, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6417, 0.3672, 0.4090 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 $rgb(96, 93, 60)$ looks like.

```
.text, #text, p{  
    color:rgb(96, 93, 60)  
}
```

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(96, 93, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 93, 60) }
```

Border

The CSS property to change the border of an element to Yxy 10.6417, 0.3672, 0.4090 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(96, 93, 60) }
```

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

```
.border{ border-color:rgb(96, 93, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 93, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 93, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 93, 60);  
box-shadow:4px 4px 4px 4px rgb(96, 93, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6417, 0.3672, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 93, 60) }
```

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

```
.background{ background-color: rgb(96, 93,  
60) }
```

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