

Converting Colors

$Y_{xy}(11.6985, 0.3726, 0.4113)$

Have a look what the booklet for
Yxy(11.6985, 0.3726, 0.4113)
contains.

Yxy(11.7111, 0.3728, 0.4120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.7111, 0.3728, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	66613D
RGB	102, 97, 61
RGB Percent	40%, 38%, 24%
CMY	0.6000, 0.6196, 0.7608
CMYK	0.00, 0.05, 0.40, 0.60
HSL	53°, 25%, 32%
HSV	53°, 40%, 40%
XYZ	10.5968, 11.7111, 6.1171
YIQ	94.3910, 14.5360, -10.1360

Conversions

Conversions Part 2

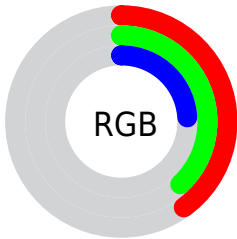
Format	Color
RYB	67, 102, 61
Decimal	6709565
CIELab	40.75, -3.98, 21.25
CIElCh	41, 21.620, 100.602
Yxy	11.7111, 0.3728, 0.4120
Android (android.graphics.Color)	4284899645 (0xFF66613D)
YUV	94.3910, -16.4618, 6.6731
Hunter-Lab	34.2215, -4.6143, 13.3570

Details

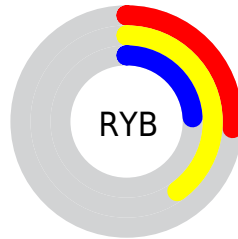
The Yxy color **11.7111, 0.3728, 0.4120** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.8486, 0.2460, 0.2294**, and the grayscale version is **11.3286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8416, 0.3584, 0.3898**, and **3.1924, 0.4011, 0.4562** is the 20% darker color. If you saturate the color by 10%, you get **11.3838, 0.3879, 0.4315**, and if you desaturate by 10%, it is **12.0640, 0.3574, 0.3914**.

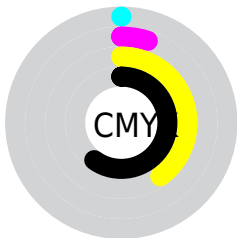
Distribution



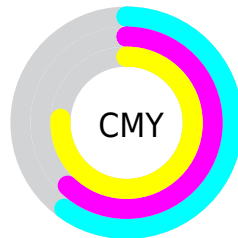
- Red (40%)
- Green (38%)
- Blue (24%)



- Red (26%)
- Yellow (40%)
- Blue (24%)



- Cyan (0%)
- Magenta (5%)
- Yellow (40%)
- Black (60%)





- Cyan (60%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7111, 0.3728, 0.4120 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 11.7111, 0.3728, 0.4120 by changing the saturation by 10% instead.


 11.7111, 0.3728,
0.4120


 11.7111, 0.3728,
0.4120


 202.4832, 0.3368,
0.3611


 6.5473, 0.3842,
0.4292


 28.9678, 0.3580,
0.3905


 3.1806, 0.4002,
0.4545

 41.8295, 0.3529,
0.3834

 1.2267, 0.4611,
0.5389

 58.0260, 0.3489,
0.3778

 0.0834, 0.0000,
1.0000

 77.9416, 0.3456,
0.3732

 0.0000, 0.0000,
0.0000

 101.9607, 0.3428,
0.3694

 130.4677, 0.3405,

0.3662

163.8471, 0.3385,
0.3634

■ 11.7111, 0.3728,
0.4120

■ 11.7111, 0.3728,
0.4120

■ 11.3838, 0.3879,
0.4315

■ 12.0640, 0.3574,
0.3914

■ 11.0792, 0.4020,
0.4490

■ 12.4421, 0.3420,
0.3704

■ 10.7967, 0.4148,
0.4637

■ 12.8468, 0.3271,
0.3496

■ 10.5347, 0.4255,
0.4750

■ 13.2791, 0.3130,
0.3294

■ 10.2914, 0.4339,
0.4824

■ 13.7400, 0.2997,
0.3102

■ 10.0632, 0.4412,
0.4879

■ 14.2304, 0.2874,
0.2921

■ 14.7510, 0.2761,
0.2753

■ 15.3027, 0.2658,
0.2597

■ 15.8862, 0.2564,
0.2454

Harmonies

Analogous

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



11.7111, 0.4023, 0.3881



11.7111, 0.3728, 0.4120



11.7111, 0.3284, 0.4127

Triad

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



11.7111, 0.3728, 0.4120



11.7111, 0.2269, 0.2940



11.7111, 0.3399, 0.2813

Complementary

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



11.7111, 0.3728, 0.4120



5.8486, 0.2460, 0.2294

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.



11.7111, 0.2914, 0.2592



11.7111, 0.3728, 0.4120



11.7111, 0.2293, 0.2638

Square

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



11.7111, 0.3728, 0.4120



11.7111, 0.2452, 0.3389



11.7111, 0.2518, 0.2525



11.7111, 0.3835, 0.3143

Rectangle

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



11.7111, 0.3728, 0.4120



11.7111, 0.2967, 0.3970



11.7111, 0.2518, 0.2525



11.7111, 0.3235, 0.2725

Sweetspot

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



11.7116, 0.3728, 0.4120



22.3722, 0.3303, 0.3540



6.5617, 0.3922, 0.3159



5.2642, 0.3315, 0.3557



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.



11.7116, 0.3728, 0.4120



20.0086, 0.3867, 0.4299



11.8652, 0.3451, 0.4300



3.2139, 0.3253, 0.3470



12.8869, 0.4415, 0.4877



66.3571, 0.4430, 0.4865

Inverse Universe

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



5.8486, 0.2460, 0.2294



8.2141, 0.2286, 0.2021



5.8351, 0.2690, 0.2226



2.8126, 0.2999, 0.3104



1.5461, 0.1537, 0.0734



7.3320, 0.1521, 0.0675

Previews

White Background



This preview shows how the Yxy color 11.7111, 0.3728, 0.4120 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 11.7111, 0.3728, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

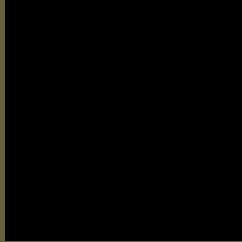
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7111, 0.3728, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 11.7111, 0.3728, 0.4120.



This preview shows how white text looks on a background with the Yxy color 11.7111, 0.3728, 0.4120.

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

11.7111, 0.3728, 0.4120

Protanopia

11.7059, 0.3786, 0.4085

Deuteranopia

11.7151, 0.3992, 0.3930



Tritanopia

11.6386, 0.3230, 0.3114

Trichromacy



Original Color

11.7111, 0.3728, 0.4120

Protanomaly

11.6457, 0.3769, 0.4090

Deuteranomaly

11.7327, 0.3890, 0.3993

Tritanomaly

11.6806, 0.3421, 0.3472

Monochromacy



Original Color

11.7111, 0.3728, 0.4120

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3350, 0.3348, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7111, 0.3728, 0.4120 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, 97, 61)` looks like.

```
.text, #text, p{  
    color:rgb(102, 97, 61)  
}
```

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, 97, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 97, 61) }
```

Border

The CSS property to change the border of an element to Yxy 11.7111, 0.3728, 0.4120 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, 97, 61) }
```

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

```
.border{ border-color:rgb(102, 97, 61) }
```

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

Here you see how a box with a 4 pixel rgb(102, 97, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 97, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 97, 61);  
box-shadow:4px 4px 4px 4px rgb(102, 97,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7111, 0.3728, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 97, 61) }
```

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

```
.background{ background-color: rgb(102, 97,  
61) }
```

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