

Converting Colors

$Y_{xy}(12.7682, 0.3270, 0.3482)$

Have a look what the booklet for
Yxy(12.7682, 0.3270, 0.3482)
contains.

Yxy(12.7118, 0.3268, 0.3470)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7118, 0.3268, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	66645C
RGB	102, 100, 92
RGB Percent	40%, 39%, 36%
CMY	0.5999, 0.6079, 0.6392
CMYK	0.00, 0.02, 0.10, 0.60
HSL	48°, 5%, 38%
HSV	48°, 10%, 40%
XYZ	11.9718, 12.7118, 11.9498
YIQ	99.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

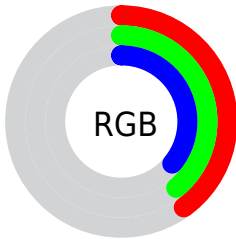
Format	Color
R_{YB}	95, 102, 92
Decimal	6710364
CIE Lab	42.33, -0.77, 4.81
CIE LCh	42, 4.867, 99.078
Yxy	12.7118, 0.3268, 0.3470
Android (android.graphics.Color)	4284900444 (0xFF66645C)
YUV	99.6860, -3.7892, 2.0294
Hunter-Lab	35.6536, -2.4569, 5.0856

Details

The Yxy color **12.7118, 0.3268, 0.3470** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2512, 0.2985, 0.3103**, and the grayscale version is **12.6706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8585, 0.3233, 0.3430**, and **3.5557, 0.3344, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **12.1513, 0.3421, 0.3660**, and if you desaturate by 10%, it is **13.3076, 0.3125, 0.3287**.

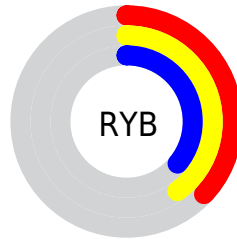
Distribution



Red (40%)

Green (39%)

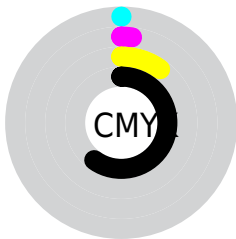
Blue (36%)



Red (37%)

Yellow (40%)

Blue (36%)

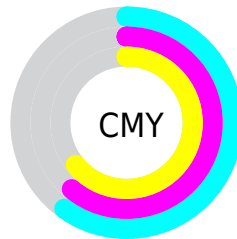


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (60%)



Cyan (60%)

Magenta (61%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7118, 0.3268, 0.3470 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 12.7118, 0.3268, 0.3470 by changing the saturation by 10% instead.

■ 12.7118, 0.3268,
0.3470

■ 12.7118, 0.3268,
0.3470

■ 209.0623, 0.3183,
0.3361

■ 7.2304, 0.3297,
0.3507

■ 30.7850, 0.3232,
0.3424

■ 3.6066, 0.3341,
0.3565

■ 44.1457, 0.3220,
0.3409

■ 1.4560, 0.3416,
0.3662

■ 60.9015, 0.3211,
0.3397

■ 0.2575, 0.4674,
0.5326

■ 81.4369, 0.3203,
0.3387

■ 0.0000, 0.0000,
0.0000

■ 106.1363, 0.3197,
0.3379

■ 135.3840, 0.3191,

0.3372

169.5646, 0.3187,
0.3366

■ 12.7118, 0.3268,
0.3470

■ 12.7118, 0.3268,
0.3470

■ 12.1513, 0.3421,
0.3660

■ 13.3076, 0.3125,
0.3287

■ 11.6236, 0.3582,
0.3853

■ 13.9381, 0.2992,
0.3113

■ 11.1279, 0.3749,
0.4044

■ 14.6048, 0.2871,
0.2950

■ 10.6632, 0.3916,
0.4225

■ 15.3085, 0.2761,
0.2799

■ 10.2283, 0.4079,
0.4389

■ 16.0501, 0.2661,
0.2659

■ 9.8216, 0.4230,
0.4528

■ 16.8304, 0.2571,
0.2530

■ 9.4417, 0.4365,
0.4633

■ 17.6503, 0.2490,
0.2412

■ 9.0868, 0.4477,
0.4698

■ 18.5104, 0.2416,
0.2304

■ 8.7490, 0.4579,
0.4744

■ 19.4115, 0.2350,
0.2206

Harmonies

Analogous

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



12.7118, 0.3325, 0.3427



12.7118, 0.3268, 0.3470



12.7118, 0.3173, 0.3464

Triad

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



12.7118, 0.3268, 0.3470



12.7118, 0.2930, 0.3226



12.7118, 0.3185, 0.3175

Complementary

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



12.7118, 0.3268, 0.3470



11.2512, 0.2985, 0.3103

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.



12.7118, 0.3078, 0.3123



12.7118, 0.3268, 0.3470



12.7118, 0.2933, 0.3150

Square

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



12.7118, 0.3268, 0.3470



12.7118, 0.2979, 0.3321



12.7118, 0.2987, 0.3114



12.7118, 0.3277, 0.3257

Rectangle

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



12.7118, 0.3268, 0.3470



12.7118, 0.3102, 0.3432



12.7118, 0.2987, 0.3114



12.7118, 0.3149, 0.3154

Sweetspot

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



12.7124, 0.3268, 0.3470



22.9741, 0.3170, 0.3346



11.2943, 0.3254, 0.3241



5.4032, 0.3180, 0.3358



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.



12.7124, 0.3268, 0.3470



22.0246, 0.3306, 0.3517



12.9466, 0.3221, 0.3518



3.1780, 0.3255, 0.3453



11.1665, 0.4587, 0.4740



56.9759, 0.4615, 0.4718

Inverse Universe

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



11.2512, 0.2985, 0.3103



18.8602, 0.2947, 0.3052



11.0409, 0.3028, 0.3058



2.8458, 0.2999, 0.3121



1.8617, 0.1573, 0.0863



8.6598, 0.1551, 0.0782

Previews

White Background



This preview shows how the Yxy color 12.7118, 0.3268, 0.3470 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 12.7118, 0.3268, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

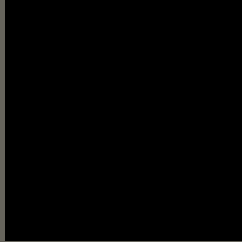
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7118, 0.3268, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 12.7118, 0.3268, 0.3470.



This preview shows how white text looks on a background with the Yxy color 12.7118, 0.3268, 0.3470.

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

12.7118, 0.3268, 0.3470

Protanopia

12.8301, 0.3298, 0.3469

Deuteranopia

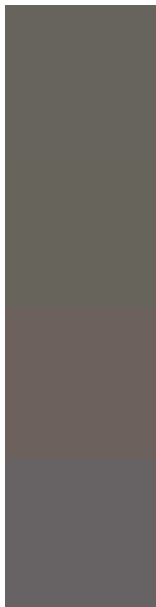
12.6008, 0.3419, 0.3355



Tritanopia

12.7190, 0.3106, 0.3116

Trichromacy



Original Color

12.7118, 0.3268, 0.3470

Protanomaly

12.7706, 0.3283, 0.3470

Deuteranomaly

12.5278, 0.3353, 0.3378

Tritanomaly

12.7468, 0.3159, 0.3246

Monochromacy



Original Color

12.7118, 0.3268, 0.3470

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7441, 0.3183, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7118, 0.3268, 0.3470 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, 100, 92)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 92)  
}
```

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, 100, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 92) }
```

Border

The CSS property to change the border of an element to Yxy 12.7118, 0.3268, 0.3470 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, 100, 92) }
```

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

```
.border{ border-color:rgb(102, 100, 92) }
```

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

Here you see how a box with a 4 pixel rgb(102, 100, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 92);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7118, 0.3268, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 92) }
```

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

```
.background{ background-color: rgb(102,  
100, 92) }
```

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