

Converting Colors

$Y_{xy}(12.7124, 0.3465, 0.3354)$

Have a look what the booklet for
Yxy(12.7124, 0.3465, 0.3354)
contains.

Yxy(12.8009, 0.3467, 0.3355)	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(12.8009, 0.3467, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	73605D
RGB	115, 96, 93
RGB Percent	45%, 38%, 36%
CMY	0.5490, 0.6235, 0.6354
CMYK	0.00, 0.17, 0.19, 0.55
HSL	8°, 11%, 41%
HSV	8°, 19%, 45%
XYZ	13.2282, 12.8009, 12.1256
YIQ	101.3390, 12.2870, 3.0950

Conversions

Conversions Part 2

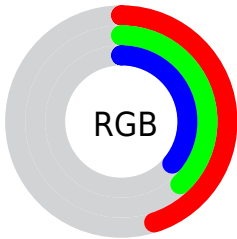
Format	Color
R _Y B	115, 96, 93
Decimal	7561309
CIE Lab	42.46, 7.12, 4.57
CIE LCh	42, 8.466, 32.699
Yxy	12.8009, 0.3467, 0.3355
Android (android.graphics.Color)	4285751389 (0xFF73605D)
YUV	101.3390, -4.1111, 11.9807
Hunter-Lab	35.7783, 3.3842, 4.9510

Details

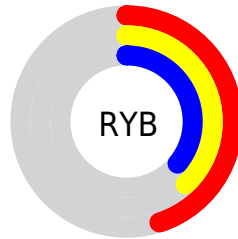
The Yxy color **12.8009, 0.3467, 0.3355** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1477, 0.2852, 0.3224**, and the grayscale version is **13.1146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0661, 0.3379, 0.3350**, and **3.6797, 0.3661, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **10.9150, 0.3700, 0.3392**, and if you desaturate by 10%, it is **14.9471, 0.3274, 0.3320**.

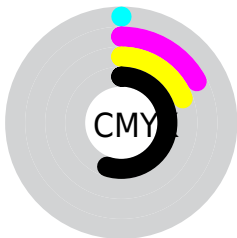
Distribution



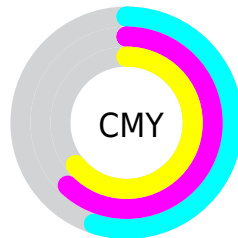
- Red (45%)
- Green (38%)
- Blue (36%)



- Red (45%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (17%)
- Yellow (19%)
- Black (55%)





- Cyan (55%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8009, 0.3467, 0.3355 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 12.8009, 0.3467, 0.3355 by changing the saturation by 10% instead.


 12.8009, 0.3467,
0.3355


 12.8009, 0.3467,
0.3355


209.6377, 0.3260,
0.3318


 7.2916, 0.3538,
0.3366


 30.9456, 0.3380,
0.3340


 3.6451, 0.3647,
0.3382

 44.3498, 0.3351,
0.3335

 1.4771, 0.3832,
0.3404

 61.1545, 0.3328,
0.3331

 0.2725, 0.6137,
0.3863

 81.7439, 0.3309,
0.3327

 0.0000, 0.0000,
0.0000

106.5025, 0.3294,
0.3324

135.8148, 0.3281,

0.3322

170.0651, 0.3270,
0.3320

■ 12.8009, 0.3467,
0.3355

■ 12.8009, 0.3467,
0.3355

■ 10.9150, 0.3700,
0.3392

■ 14.9471, 0.3274,
0.3320

■ 9.2779, 0.3980,
0.3428

■ 17.3613, 0.3115,
0.3287

■ 7.8797, 0.4310,
0.3462

■ 20.0528, 0.2983,
0.3257

■ 6.7091, 0.4687,
0.3489

■ 23.0302, 0.2874,
0.3230

■ 5.7541, 0.5098,
0.3503

■ 26.3015, 0.2782,
0.3205

■ 5.0013, 0.5513,
0.3499

■ 29.8744, 0.2706,
0.3182

■ 4.4360, 0.5885,
0.3471

■ 33.7565, 0.2641,
0.3162

■ 4.0365, 0.6198,
0.3441

■ 37.9549, 0.2586,
0.3143

■ 4.0090, 0.6224,
0.3440

■ 42.4767, 0.2539,
0.3126

Harmonies

Analogous

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



12.8009, 0.3358, 0.3200



12.8009, 0.3467, 0.3355



12.8009, 0.3482, 0.3499

Triad

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



12.8009, 0.3467, 0.3355



12.8009, 0.3061, 0.3527



12.8009, 0.2858, 0.2993

Complementary

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



12.8009, 0.3467, 0.3355



15.1477, 0.2852, 0.3224

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.



12.8009, 0.2784, 0.3069



12.8009, 0.3467, 0.3355



12.8009, 0.2899, 0.3379

Square

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



12.8009, 0.3467, 0.3355



12.8009, 0.3244, 0.3605



12.8009, 0.2799, 0.3209



12.8009, 0.3004, 0.2994

Rectangle

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



12.8009, 0.3467, 0.3355



12.8009, 0.3436, 0.3570



12.8009, 0.2799, 0.3209



12.8009, 0.2824, 0.3010

Sweetspot

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



12.8015, 0.3467, 0.3355



28.0060, 0.3223, 0.3310



12.6419, 0.3190, 0.2899



6.6331, 0.3231, 0.3312



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.8015, 0.3467, 0.3355



21.3607, 0.3566, 0.3371



14.9351, 0.3427, 0.3581



3.7745, 0.3272, 0.3320



4.5615, 0.6232, 0.3433



21.4664, 0.6297, 0.3382

Inverse Universe

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



15.1477, 0.2852, 0.3224



26.3849, 0.2790, 0.3207



12.8824, 0.2839, 0.2981



4.0737, 0.2995, 0.3260



11.6416, 0.2129, 0.2866



55.8063, 0.2123, 0.2841

Previews

White Background



This preview shows how the Yxy color 12.8009, 0.3467, 0.3355 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 12.8009, 0.3467, 0.3355 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 12.8009, 0.3467, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 12.8009, 0.3467, 0.3355.



This preview shows how white text looks on a background with the Yxy color 12.8009, 0.3467, 0.3355.

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

12.8009, 0.3467, 0.3355

Protanopia

12.8241, 0.3241, 0.3402

Deuteranopia

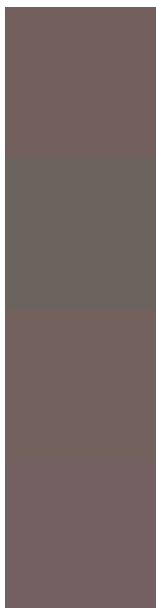
12.8504, 0.3432, 0.3376



Tritanopia

12.8567, 0.3350, 0.3145

Trichromacy



Original Color

12.8009, 0.3467, 0.3355

Protanomaly

12.8576, 0.3318, 0.3400

Deuteranomaly

12.9171, 0.3447, 0.3376

Tritanomaly

12.7983, 0.3395, 0.3207

Monochromacy



Original Color

12.8009, 0.3467, 0.3355

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8697, 0.3245, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8009, 0.3467, 0.3355 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(115, 96, 93)` looks like.

```
.text, #text, p{  
    color:rgb(115, 96, 93)  
}
```

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(115, 96, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 96, 93) }
```

Border

The CSS property to change the border of an element to Yxy 12.8009, 0.3467, 0.3355 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(115, 96, 93) }
```

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

```
.border{ border-color:rgb(115, 96, 93) }
```

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

Here you see how a box with a 4 pixel rgb(115, 96, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 96, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 96, 93);  
box-shadow:4px 4px 4px 4px rgb(115, 96,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8009, 0.3467, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 96, 93) }
```

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

```
.background{ background-color: rgb(115, 96,  
93) }
```

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