

Converting Colors

$Y_{xy}(12.3005, 0.3483, 0.3196)$

Have a look what the booklet for
Yxy(12.3005, 0.3483, 0.3196)
contains.

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Color

Yxy(12.3504, 0.3483, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	765C60
RGB	118, 92, 96
RGB Percent	46%, 36%, 38%
CMY	0.5373, 0.6392, 0.6236
CMYK	0.00, 0.22, 0.19, 0.54
HSL	351°, 12%, 41%
HSV	351°, 22%, 46%
XYZ	13.4091, 12.3504, 12.7392
YIQ	100.2300, 14.2120, 6.7560

Conversions

Conversions Part 2

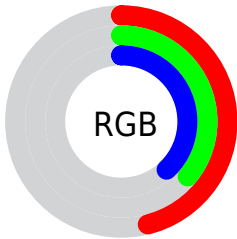
Format	Color
R _Y B	118, 92, 96
Decimal	7756896
CIE Lab	41.77, 11.29, 1.78
CIE LCh	42, 11.431, 8.960
Yxy	12.3504, 0.3483, 0.3208
Android (android.graphics.Color)	4285946976 (0xFF765C60)
YUV	100.2300, -2.0854, 15.5843
Hunter-Lab	35.1431, 6.6075, 3.1078

Details

The Yxy color **12.3504, 0.3483, 0.3208** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4481, 0.2858, 0.3374**, and the grayscale version is **12.8086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0793, 0.3401, 0.3232**, and **3.4495, 0.3666, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **10.2907, 0.3705, 0.3168**, and if you desaturate by 10%, it is **14.7532, 0.3301, 0.3247**.

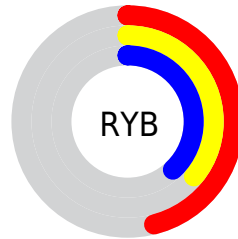
Distribution



Red (46%)

Green (36%)

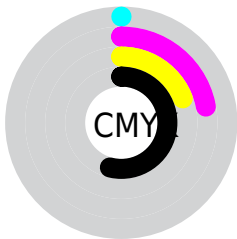
Blue (38%)



Red (46%)

Yellow (36%)

Blue (38%)

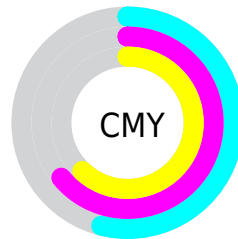


Cyan (0%)

Magenta (22%)

Yellow (19%)

Black (54%)



Cyan (54%)


Magenta (64%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3504, 0.3483, 0.3208 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 12.3504, 0.3483, 0.3208 by changing the saturation by 10% instead.


 12.3504, 0.3483,
0.3208


 12.3504, 0.3483,
0.3208

206.7114, 0.3266,
0.3259


 6.9828, 0.3558,
0.3189


 30.1317, 0.3391,
0.3230


 3.4513, 0.3673,
0.3160

 43.3142, 0.3361,
0.3237

 1.3717, 0.3871,
0.3108

 59.8704, 0.3337,
0.3243

 0.1957, 0.6189,
0.2623

 80.1847, 0.3317,
0.3247

 0.0000, 0.0000,
0.0000

104.6416, 0.3301,
0.3251

133.6254, 0.3287,

0.3254

167.5206, 0.3276,
0.3257

■ 12.3504, 0.3483,
0.3208

■ 12.3504, 0.3483,
0.3208

■ 10.2907, 0.3705,
0.3168

■ 14.7532, 0.3301,
0.3247

■ 8.5567, 0.3975,
0.3130

■ 17.5118, 0.3154,
0.3283

■ 7.1323, 0.4296,
0.3096


■ 20.6407, 0.3033,
0.3317


■ 5.9991, 0.4667,
0.3071


■ 24.1528, 0.2935,
0.3348


■ 5.1369, 0.5072,
0.3062


■ 28.0604, 0.2854,
0.3376

 4.5230, 0.5483,
0.3076

 32.3755, 0.2787,
0.3401

 4.1305, 0.5853,
0.3116

 37.1093, 0.2732,
0.3425

 3.8955, 0.6112,
0.3141

 42.2727, 0.2685,
0.3446

 47.8761, 0.2647,
0.3465

Harmonies

Analogous

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



12.3504, 0.3260, 0.3024



12.3504, 0.3483, 0.3208



12.3504, 0.3609, 0.3418

Triad

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



12.3504, 0.3483, 0.3208



12.3504, 0.3232, 0.3713



12.3504, 0.2674, 0.2957

Complementary

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



12.3504, 0.3483, 0.3208



16.4481, 0.2858, 0.3374

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.



12.3504, 0.2668, 0.3131



12.3504, 0.3483, 0.3208



12.3504, 0.2984, 0.3580

Square

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



12.3504, 0.3483, 0.3208



12.3504, 0.3459, 0.3719



12.3504, 0.2779, 0.3361



12.3504, 0.2795, 0.2879

Rectangle

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



12.3504, 0.3483, 0.3208



12.3504, 0.3618, 0.3549



12.3504, 0.2779, 0.3361



12.3504, 0.2659, 0.3006

Sweetspot

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



12.3510, 0.3483, 0.3208



28.2162, 0.3226, 0.3265



12.5184, 0.3087, 0.2762



6.4441, 0.3232, 0.3263



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.



12.3510, 0.3483, 0.3208



19.9710, 0.3580, 0.3190



13.8679, 0.3510, 0.3471



3.7092, 0.3254, 0.3258



4.2129, 0.6120, 0.3145



20.4470, 0.6220, 0.3200

Inverse Universe

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



12.3510, 0.3483, 0.3208



19.9710, 0.3580, 0.3190



14.5926, 0.2804, 0.3102



3.7092, 0.3254, 0.3258



4.2129, 0.6120, 0.3145



20.4470, 0.6220, 0.3200

Previews

White Background



This preview shows how the Yxy color 12.3504, 0.3483, 0.3208 looks on a white background.

Color Contrast Check

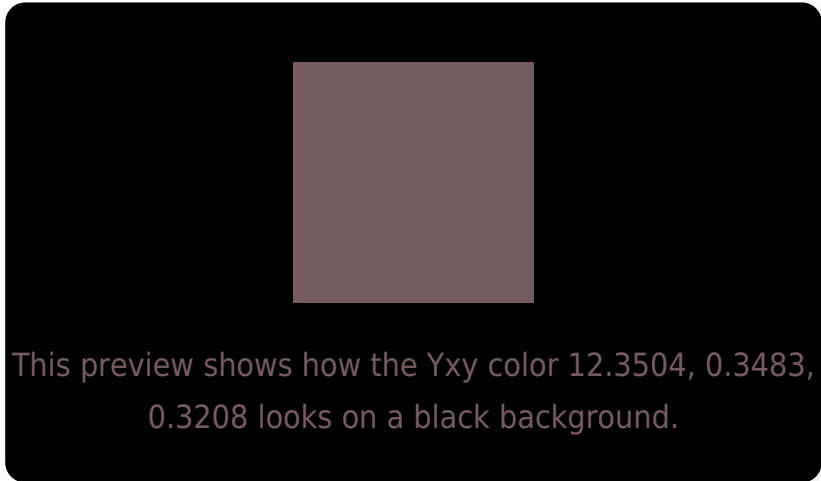
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

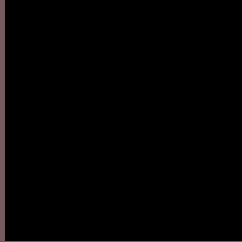
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3504, 0.3483, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 12.3504, 0.3483, 0.3208.



This preview shows how white text looks on a background with the Yxy color 12.3504, 0.3483, 0.3208.

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

12.3504, 0.3483, 0.3208

Protanopia

12.3648, 0.3129, 0.3245

Deuteranopia

12.3256, 0.3361, 0.3291



Tritanopia

12.4067, 0.3436, 0.3146

Trichromacy



Original Color

12.3504, 0.3483, 0.3208

Protanomaly

12.3924, 0.3252, 0.3225

Deuteranomaly

12.3423, 0.3411, 0.3269

Tritanomaly

12.3877, 0.3451, 0.3166

Monochromacy



Original Color

12.3504, 0.3483, 0.3208

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.5760, 0.3250, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3504, 0.3483, 0.3208 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(118, 92, 96)` looks like.

```
.text, #text, p{  
    color:rgb(118, 92, 96)  
}
```

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(118, 92, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 92, 96) }
```

Border

The CSS property to change the border of an element to Yxy 12.3504, 0.3483, 0.3208 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(118, 92, 96) }
```

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

```
.border{ border-color:rgb(118, 92, 96) }
```

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

Here you see how a box with a 4 pixel rgb(118, 92, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 92, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 92, 96);  
box-shadow:4px 4px 4px 4px rgb(118, 92,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3504, 0.3483, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 92, 96) }
```

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

```
.background{ background-color: rgb(118, 92,  
96) }
```

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](#).

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