

Converting Colors

$Y_{xy}(13.3221, 0.3554, 0.3507)$

Have a look what the booklet for
Yxy(13.3221, 0.3554, 0.3507)
contains.

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Color

Yxy(13.4102, 0.3561, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	756358
RGB	117, 99, 88
RGB Percent	46%, 39%, 35%
CMY	0.5412, 0.6117, 0.6549
CMYK	0.00, 0.15, 0.25, 0.54
HSL	23°, 14%, 40%
HSV	23°, 25%, 46%
XYZ	13.5587, 13.4102, 11.1066
YIQ	103.1280, 14.2590, 0.3950

Conversions

Conversions Part 2

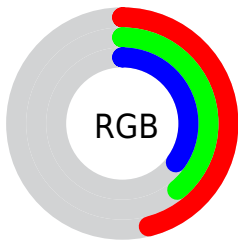
Format	Color
RYB	117, 106, 88
Decimal	7693144
CIELab	43.37, 5.33, 8.92
CIELCh	43, 10.392, 59.158
Yxy	13.4102, 0.3561, 0.3522
Android (android.graphics.Color)	4285883224 (0xFF756358)
YUV	103.1280, -7.4581, 12.1657
Hunter-Lab	36.6199, 2.0055, 7.6516

Details

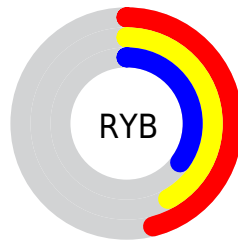
The Yxy color **13.4102, 0.3561, 0.3522** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6647, 0.2761, 0.3046**, and the grayscale version is **13.6167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0827, 0.3444, 0.3469**, and **3.9496, 0.3764, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **11.9180, 0.3785, 0.3621**, and if you desaturate by 10%, it is **15.0584, 0.3367, 0.3425**.

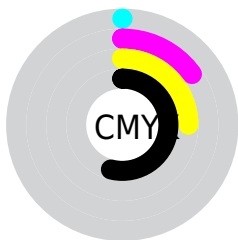
Distribution



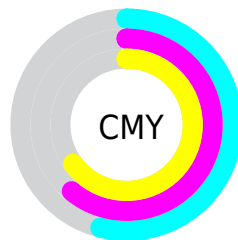
- Red (46%)
- Green (39%)
- Blue (35%)



- Red (46%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (25%)
- Black (54%)





- Cyan (54%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4102, 0.3561, 0.3522 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 13.4102, 0.3561, 0.3522 by changing the saturation by 10% instead.


 13.4102, 0.3561,
0.3522


 13.4102, 0.3561,
0.3522


213.5301, 0.3298,
0.3385


 7.7116, 0.3650,
0.3565


 32.0388, 0.3451,
0.3466


 3.9110, 0.3783,
0.3628

 45.7376, 0.3414,
0.3447

 1.6239, 0.4007,
0.3725

 62.8719, 0.3385,
0.3432

 0.3736, 0.5649,
0.4351

 83.8261, 0.3361,
0.3419

 0.0000, 0.0000,
0.0000

 108.9847, 0.3342,
0.3409

138.7319, 0.3325,

0.3400

173.4523, 0.3311,
0.3392

■ 13.4102, 0.3561,
0.3522

■ 13.4102, 0.3561,
0.3522

■ 11.9180, 0.3785,
0.3621

■ 15.0584, 0.3367,
0.3425

■ 10.5752, 0.4039,
0.3719

■ 16.8653, 0.3199,
0.3332

■ 9.3776, 0.4322,
0.3808

■ 18.8357, 0.3055,
0.3246

■ 8.3197, 0.4629,
0.3879

■ 20.9739, 0.2930,
0.3165

■ 7.3959, 0.4946,
0.3923

■ 23.2837, 0.2824,
0.3091

■ 6.6002, 0.5255,
0.3928

■ 25.7692, 0.2731,
0.3023

■ 5.9247, 0.5536,
0.3889

■ 28.4338, 0.2651,
0.2961

■ 5.6132, 0.5685,
0.3868

■ 31.2814, 0.2582,
0.2905

■ 34.3152, 0.2521,
0.2853

Harmonies

Analogous

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



13.4102, 0.3529, 0.3344



13.4102, 0.3561, 0.3522



13.4102, 0.3473, 0.3647

Triad

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



13.4102, 0.3561, 0.3522



13.4102, 0.2871, 0.3421



13.4102, 0.2954, 0.2930

Complementary

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



13.4102, 0.3561, 0.3522



13.6647, 0.2761, 0.3046

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.



13.4102, 0.2787, 0.2938



13.4102, 0.3561, 0.3522



13.4102, 0.2741, 0.3214

Square

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



13.4102, 0.3561, 0.3522



13.4102, 0.3071, 0.3595



13.4102, 0.2711, 0.3038



13.4102, 0.3172, 0.3011

Rectangle

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



13.4102, 0.3561, 0.3522



13.4102, 0.3359, 0.3680



13.4102, 0.2711, 0.3038



13.4102, 0.2890, 0.2922

Sweetspot

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



13.4108, 0.3561, 0.3522



29.4015, 0.3237, 0.3354



11.8094, 0.3315, 0.2912



6.7302, 0.3243, 0.3358



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.



13.4108, 0.3561, 0.3522



22.3825, 0.3691, 0.3582



16.3246, 0.3498, 0.3802



3.9077, 0.3267, 0.3371



6.1569, 0.5693, 0.3861



28.4636, 0.5785, 0.3788

Inverse Universe

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



13.6647, 0.2761, 0.3046



22.9216, 0.2673, 0.2978



10.9904, 0.2735, 0.2720



3.9328, 0.2995, 0.3208



6.5758, 0.1901, 0.2043



30.3539, 0.1881, 0.1971

Previews

White Background



This preview shows how the Yxy color 13.4102, 0.3561, 0.3522 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 13.4102, 0.3561, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

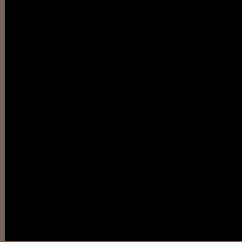
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4102, 0.3561, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 13.4102, 0.3561, 0.3522.



This preview shows how white text looks on a background with the Yxy color 13.4102, 0.3561, 0.3522.

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

13.4102, 0.3561, 0.3522

Protanopia

13.3667, 0.3366, 0.3554

Deuteranopia

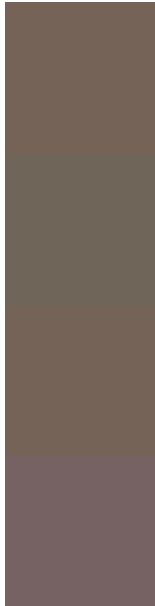
13.4798, 0.3577, 0.3521



Tritanopia

13.4708, 0.3361, 0.3148

Trichromacy



Original Color

13.4102, 0.3561, 0.3522

Protanomaly

13.4081, 0.3445, 0.3550

Deuteranomaly

13.4798, 0.3577, 0.3521

Tritanomaly

13.4688, 0.3431, 0.3291

Monochromacy



Original Color

13.4102, 0.3561, 0.3522

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5727, 0.3269, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4102, 0.3561, 0.3522 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(117, 99, 88)` looks like.

```
.text, #text, p{  
  color:rgb(117, 99, 88)  
}
```

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(117, 99, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 99, 88) }
```

Border

The CSS property to change the border of an element to Yxy 13.4102, 0.3561, 0.3522 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(117, 99, 88) }
```

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

```
.border{ border-color:rgb(117, 99, 88) }
```

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

Here you see how a box with a 4 pixel rgb(117, 99, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 99, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 99, 88);  
box-shadow:4px 4px 4px 4px rgb(117, 99,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4102, 0.3561, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 99, 88) }
```

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

```
.background{ background-color: rgb(117, 99,  
88) }
```

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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