

Converting Colors

$Y_{xy}(12.8509, 0.3566, 0.3474)$

Have a look what the booklet for
Yxy(12.8509, 0.3566, 0.3474)
contains.

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Color

Yxy(12.7833, 0.3559, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	746058
RGB	116, 96, 88
RGB Percent	45%, 38%, 35%
CMY	0.5452, 0.6235, 0.6549
CMYK	0.00, 0.17, 0.24, 0.55
HSL	17°, 14%, 40%
HSV	17°, 24%, 45%
XYZ	13.1453, 12.7833, 11.0067
YIQ	101.0680, 14.4880, 1.7520

Conversions

Conversions Part 2

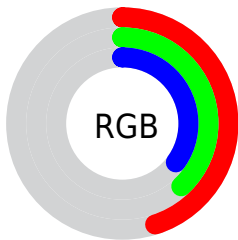
Format	Color
R_{YB}	116, 99, 88
Decimal	7626840
CIE Lab	42.43, 6.70, 7.58
CIE LCh	42, 10.117, 48.551
Yxy	12.7833, 0.3559, 0.3461
Android (android.graphics.Color)	4285816920 (0xFF746058)
YUV	101.0680, -6.4425, 13.0954
Hunter-Lab	35.7537, 3.0585, 6.7753

Details

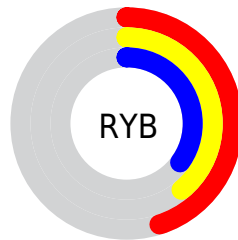
The Yxy color **12.7833, 0.3559, 0.3461** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0554, 0.2776, 0.3112**, and the grayscale version is **13.0464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0272, 0.3441, 0.3425**, and **3.6489, 0.3769, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **11.1745, 0.3794, 0.3537**, and if you desaturate by 10%, it is **14.5830, 0.3359, 0.3387**.

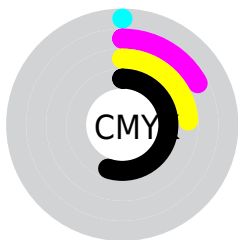
Distribution



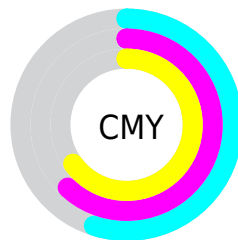
- Red (45%)
- Green (38%)
- Blue (35%)



- Red (45%)
- Yellow (39%)
- Blue (35%)



- Cyan (0%)
- Magenta (17%)
- Yellow (24%)
- Black (55%)





- Cyan (55%)
- Magenta (62%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7833, 0.3559, 0.3461 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 12.7833, 0.3559, 0.3461 by changing the saturation by 10% instead.


 12.7833, 0.3559,
0.3461


 12.7833, 0.3559,
0.3461


209.5242, 0.3296,
0.3361


 7.2795, 0.3649,
0.3493


 30.9139, 0.3448,
0.3420


 3.6375, 0.3787,
0.3538

 44.3095, 0.3411,
0.3406

 1.4729, 0.4021,
0.3607

 61.1045, 0.3382,
0.3395

 0.2696, 0.6089,
0.3911

 81.6833, 0.3358,
0.3386

 0.0000, 0.0000,
0.0000

 106.4303, 0.3339,
0.3378

135.7298, 0.3322,

0.3371

169.9663, 0.3308,
0.3366

■ 12.7833, 0.3559,
0.3461

■ 12.7833, 0.3559,
0.3461

■ 11.1745, 0.3794,
0.3537

■ 14.5830, 0.3359,
0.3387

■ 9.7485, 0.4066,
0.3611

■ 16.5779, 0.3189,
0.3318

■ 8.4992, 0.4375,
0.3677

■ 18.7743, 0.3046,
0.3252

■ 7.4194, 0.4717,
0.3730

■ 21.1777, 0.2924,
0.3192

■ 6.5015, 0.5075,
0.3757

■ 23.7936, 0.2821,
0.3137

■ 5.7372, 0.5427,
0.3750

■ 26.6268, 0.2732,
0.3087

■ 5.1167, 0.5742,
0.3704

■ 29.6825, 0.2657,
0.3041

■ 4.8105, 0.5925,
0.3678

■ 32.9654, 0.2591,
0.2999

■ 36.4800, 0.2535,
0.2961

Harmonies

Analogous

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



12.7833, 0.3485, 0.3278



12.7833, 0.3559, 0.3461



12.7833, 0.3512, 0.3608

Triad

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



12.7833, 0.3559, 0.3461



12.7833, 0.2938, 0.3487



12.7833, 0.2889, 0.2926

Complementary

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



12.7833, 0.3559, 0.3461



14.0554, 0.2776, 0.3112

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.



12.7833, 0.2753, 0.2967



12.7833, 0.3559, 0.3461



12.7833, 0.2781, 0.3287

Square

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



12.7833, 0.3559, 0.3461



12.7833, 0.3150, 0.3632



12.7833, 0.2714, 0.3096



12.7833, 0.3092, 0.2977

Rectangle

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



12.7833, 0.3559, 0.3461



12.7833, 0.3421, 0.3664



12.7833, 0.2714, 0.3096



12.7833, 0.2834, 0.2929

Sweetspot

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



12.7839, 0.3559, 0.3461



28.0425, 0.3238, 0.3338



11.7752, 0.3273, 0.2876



6.6558, 0.3245, 0.3341



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.



12.7839, 0.3559, 0.3461



20.8512, 0.3686, 0.3503



15.5516, 0.3497, 0.3743



3.8559, 0.3269, 0.3351



5.3707, 0.5934, 0.3670



24.8784, 0.6026, 0.3597

Inverse Universe

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



14.0554, 0.2776, 0.3112



23.4976, 0.2696, 0.3065



11.3518, 0.2751, 0.2792



3.9867, 0.2995, 0.3228



8.2915, 0.1991, 0.2366



38.8883, 0.1976, 0.2311

Previews

White Background



This preview shows how the Yxy color 12.7833, 0.3559, 0.3461 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 12.7833, 0.3559, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

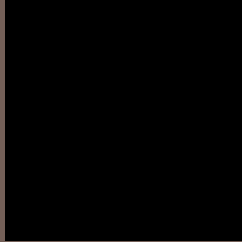
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7833, 0.3559, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 12.7833, 0.3559, 0.3461.



This preview shows how white text looks on a background with the Yxy color 12.7833, 0.3559, 0.3461.

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

12.7833, 0.3559, 0.3461

Protanopia

12.7956, 0.3326, 0.3514

Deuteranopia

12.8314, 0.3523, 0.3484



Tritanopia

12.7965, 0.3399, 0.3146

Trichromacy



Original Color

12.7833, 0.3559, 0.3461

Protanomaly

12.8331, 0.3406, 0.3511

Deuteranomaly

12.8988, 0.3539, 0.3483

Tritanomaly

12.8109, 0.3456, 0.3270

Monochromacy



Original Color

12.7833, 0.3559, 0.3461

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8324, 0.3274, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7833, 0.3559, 0.3461 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(116, 96, 88)` looks like.

```
.text, #text, p{  
    color:rgb(116, 96, 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(116, 96, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 96, 88) }
```

Border

The CSS property to change the border of an element to Yxy 12.7833, 0.3559, 0.3461 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(116, 96, 88) }
```

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

```
.border{ border-color:rgb(116, 96, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 96, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 96, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 96, 88);  
box-shadow:4px 4px 4px 4px rgb(116, 96,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7833, 0.3559, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 96, 88) }
```

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

```
.background{ background-color: rgb(116, 96,  
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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