

Converting Colors

$Y_{xy}(15.7516, 0.3525, 0.3669)$

Have a look what the booklet for
Yxy(15.7516, 0.3525, 0.3669)
contains.

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Color

Yxy(15.6857, 0.3519, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	786D5B
RGB	120, 109, 91
RGB Percent	47%, 43%, 36%
CMY	0.5294, 0.5725, 0.6432
CMYK	0.00, 0.09, 0.24, 0.53
HSL	37°, 14%, 41%
HSV	37°, 24%, 47%
XYZ	15.1020, 15.6857, 12.1280
YIQ	110.2370, 12.3340, -3.2660

Conversions

Conversions Part 2

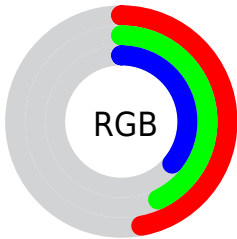
Format	Color
RYB	109, 120, 91
Decimal	7892315
CIELab	46.56, 1.16, 11.63
CIElCh	47, 11.690, 84.304
Yxy	15.6857, 0.3519, 0.3655
Android (android.graphics.Color)	4286082395 (0xFF786D5B)
YUV	110.2370, -9.4838, 8.5622
Hunter-Lab	39.6052, -1.2443, 9.5677

Details

The Yxy color **15.6857, 0.3519, 0.3655** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0799, 0.2757, 0.2896**, and the grayscale version is **15.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9489, 0.3431, 0.3564**, and **4.9743, 0.3700, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **14.5502, 0.3709, 0.3813**, and if you desaturate by 10%, it is **16.9059, 0.3345, 0.3500**.

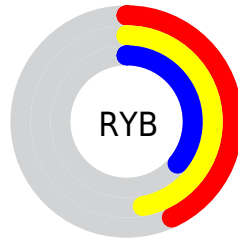
Distribution



Red (47%)

Green (43%)

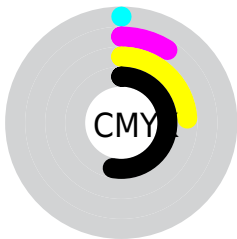
Blue (36%)



Red (43%)

Yellow (47%)

Blue (36%)

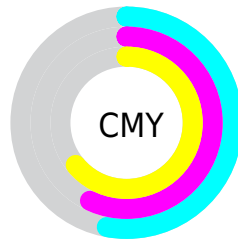


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (53%)



Cyan (53%)

Magenta (57%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6857, 0.3519, 0.3655 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 15.6857, 0.3519, 0.3655 by changing the saturation by 10% instead.

■ 15.6857, 0.3519,
0.3655

■ 15.6857, 0.3519,
0.3655

■ 227.4799, 0.3288,
0.3441

■ 9.3020, 0.3593,
0.3723

■ 36.0517, 0.3424,
0.3568

■ 4.9387, 0.3701,
0.3821

■ 50.8028, 0.3392,
0.3538

■ 2.2113, 0.3871,
0.3973

■ 69.1119, 0.3366,
0.3514

■ 0.7262, 0.4974,
0.5026

■ 91.3632, 0.3345,
0.3494

■ 0.0000, 0.0000,
0.0000

■ 117.9413, 0.3327,
0.3478

149.2305, 0.3312,

0.3464

185.6153, 0.3299,
0.3451

■ 15.6857, 0.3519,
0.3655

■ 15.6857, 0.3519,
0.3655

■ 14.5502, 0.3709,
0.3813

■ 16.9059, 0.3345,
0.3500

■ 13.4951, 0.3912,
0.3967

■ 18.2110, 0.3188,
0.3350

■ 12.5184, 0.4125,
0.4112

■ 19.6036, 0.3047,
0.3209

■ 11.6177, 0.4342,
0.4236

■ 21.0860, 0.2921,
0.3076

■ 10.7900, 0.4553,
0.4331

■ 22.6599, 0.2809,
0.2954

■ 10.0322, 0.4748,
0.4386

■ 24.3272, 0.2709,
0.2840

■ 9.3400, 0.4919,
0.4397

■ 26.0897, 0.2620,
0.2736

■ 8.9600, 0.5019,
0.4397

■ 27.9492, 0.2542,
0.2641

■ 29.9074, 0.2471,
0.2553

Harmonies

Analogous

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



15.6857, 0.3594, 0.3508



15.6857, 0.3519, 0.3655



15.6857, 0.3338, 0.3707

Triad

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



15.6857, 0.3519, 0.3655



15.6857, 0.2731, 0.3243



15.6857, 0.3135, 0.2973

Complementary

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



15.6857, 0.3519, 0.3655



13.0799, 0.2757, 0.2896

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.



15.6857, 0.2908, 0.2901



15.6857, 0.3519, 0.3655



15.6857, 0.2681, 0.3046

Square

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



15.6857, 0.3519, 0.3655



15.6857, 0.2885, 0.3464



15.6857, 0.2744, 0.2925



15.6857, 0.3368, 0.3122

Rectangle

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



15.6857, 0.3519, 0.3655



15.6857, 0.3185, 0.3675



15.6857, 0.2744, 0.2925



15.6857, 0.3056, 0.2940

Sweetspot

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



15.6864, 0.3519, 0.3655



31.3268, 0.3233, 0.3394



12.4357, 0.3422, 0.3063



7.4012, 0.3240, 0.3400



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.6864, 0.3519, 0.3655



26.4662, 0.3622, 0.3742



17.9423, 0.3428, 0.3871



4.3907, 0.3263, 0.3423



9.7478, 0.5023, 0.4393



44.8180, 0.5078, 0.4350

Inverse Universe

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



13.0799, 0.2757, 0.2896



21.0460, 0.2666, 0.2791



11.2371, 0.2784, 0.2654



4.1195, 0.2994, 0.3154



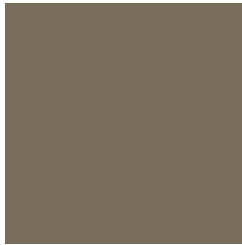
3.5408, 0.1684, 0.1261



15.3631, 0.1658, 0.1169

Previews

White Background



This preview shows how the Yxy color 15.6857, 0.3519, 0.3655 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 15.6857, 0.3519, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

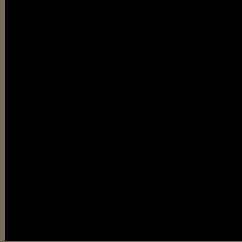
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6857, 0.3519, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 15.6857, 0.3519, 0.3655.



This preview shows how white text looks on a background with the Yxy color 15.6857, 0.3519, 0.3655.

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

15.6857, 0.3519, 0.3655

Protanopia

15.7065, 0.3458, 0.3659

Deuteranopia

15.6700, 0.3637, 0.3564



Tritanopia

15.7339, 0.3260, 0.3135

Trichromacy



Original Color

15.6857, 0.3519, 0.3655

Protanomaly

15.7761, 0.3472, 0.3657

Deuteranomaly

15.6481, 0.3587, 0.3588

Tritanomaly

15.6936, 0.3351, 0.3310

Monochromacy



Original Color

15.6857, 0.3519, 0.3655

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.7085, 0.3271, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6857, 0.3519, 0.3655 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(120, 109, 91)` looks like.

```
.text, #text, p{  
    color:rgb(120, 109, 91)  
}
```

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(120, 109, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 109, 91) }
```

Border

The CSS property to change the border of an element to Yxy 15.6857, 0.3519, 0.3655 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(120, 109, 91) }
```

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

```
.border{ border-color:rgb(120, 109, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 109, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 109, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 109, 91);  
box-shadow:4px 4px 4px 4px rgb(120, 109,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6857, 0.3519, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 109, 91) }
```

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

```
.background{ background-color: rgb(120,  
109, 91) }
```

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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