

Converting Colors

$Y_{xy}(11.7587, 0.3337, 0.2998)$

Have a look what the booklet for
Yxy(11.7587, 0.3337, 0.2998)
contains.

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Color

Yxy(11.7689, 0.3333, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	735967
RGB	115, 89, 103
RGB Percent	45%, 35%, 40%
CMY	0.5491, 0.6509, 0.5961
CMYK	0.00, 0.23, 0.10, 0.55
HSL	328°, 13%, 40%
HSV	328°, 23%, 45%
XYZ	13.0883, 11.7689, 14.4117
YIQ	98.3700, 11.0020, 9.8660

Conversions

Conversions Part 2

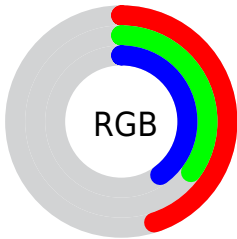
Format	Color
R_{YB}	115, 89, 103
Decimal	7559527
CIE _{Lab}	40.85, 13.17, -3.91
CIE _{LCh}	41, 13.739, 343.448
Yxy	11.7689, 0.3333, 0.2997
Android (android.graphics.Color)	4285749607 (0xFF735967)
YUV	98.3700, 2.2826, 14.5845
Hunter-Lab	34.3058, 8.0660, -0.8933

Details

The Yxy color **11.7689, 0.3333, 0.2997** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3206, 0.2963, 0.3603**, and the grayscale version is **12.3031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0138, 0.3279, 0.3069**, and **3.2066, 0.3459, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **9.8994, 0.3452, 0.2861**, and if you desaturate by 10%, it is **13.9451, 0.3232, 0.3131**.

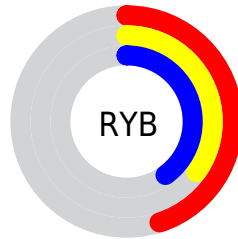
Distribution



Red (45%)

Green (35%)

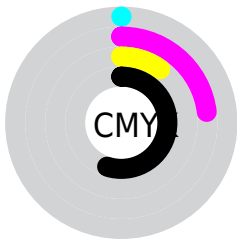
Blue (40%)



Red (45%)

Yellow (35%)

Blue (40%)

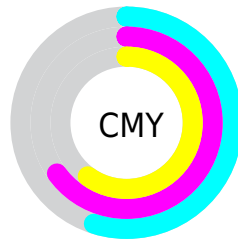


Cyan (0%)

Magenta (23%)

Yellow (10%)

Black (55%)



Cyan (55%)


Magenta (65%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7689, 0.3333, 0.2997 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 11.7689, 0.3333, 0.2997 by changing the saturation by 10% instead.


 11.7689, 0.3333,
0.2997


 11.7689, 0.3333,
0.2997


202.8693, 0.3208,
0.3173


 6.5865, 0.3375,
0.2938


 29.0735, 0.3281,
0.3071


 3.2049, 0.3439,
0.2849

 41.9645, 0.3263,
0.3095


 1.2396, 0.3547,
0.2701

 58.1938, 0.3250,
0.3115

 0.0937, 0.4666,
0.1065

 78.1459, 0.3238,
0.3131

 0.0000, 0.0000,
0.0000

 102.2051, 0.3229,
0.3144

130.7558, 0.3221,

0.3155

164.1824, 0.3214,
0.3165

■ 11.7689, 0.3333,
0.2997

■ 11.7689, 0.3333,
0.2997

■ 9.8994, 0.3452,
0.2861

■ 13.9451, 0.3232,
0.3131

■ 8.3212, 0.3592,
0.2726

■ 16.4396, 0.3147,
0.3258

■ 7.0196, 0.3752,
0.2599

■ 19.2652, 0.3076,
0.3378

■ 5.9783, 0.3933,
0.2489

■ 22.4334, 0.3016,
0.3491

■ 5.1791, 0.4131,
0.2406

■ 25.9554, 0.2966,
0.3594

■ 4.6014, 0.4341,
0.2361

■ 29.8418, 0.2925,
0.3690

■ 4.2200, 0.4553,
0.2361

■ 34.1027, 0.2891,
0.3778

■ 3.9901, 0.4717,
0.2372

■ 38.7477, 0.2862,
0.3859

■ 43.7863, 0.2837,
0.3933

Harmonies

Analogous

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



11.7689, 0.3024, 0.2840



11.7689, 0.3333, 0.2997



11.7689, 0.3595, 0.3225

Triad

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



11.7689, 0.3333, 0.2997



11.7689, 0.3494, 0.3824



11.7689, 0.2563, 0.3054

Complementary

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



11.7689, 0.3333, 0.2997



15.3206, 0.2963, 0.3603

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.



11.7689, 0.2676, 0.3331



11.7689, 0.3333, 0.2997



11.7689, 0.3207, 0.3797

Square

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



11.7689, 0.3333, 0.2997



11.7689, 0.3688, 0.3700



11.7689, 0.2908, 0.3612



11.7689, 0.2591, 0.2861

Rectangle

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



11.7689, 0.3333, 0.2997



11.7689, 0.3701, 0.3395



11.7689, 0.2908, 0.3612



11.7689, 0.2585, 0.3140

Sweetspot

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



11.7694, 0.3333, 0.2997



27.3217, 0.3184, 0.3200



11.1335, 0.2937, 0.2725



6.4751, 0.3187, 0.3195



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.



11.7694, 0.3333, 0.2997



19.2994, 0.3392, 0.2927



11.5338, 0.3537, 0.3263



3.7308, 0.3200, 0.3176



4.5590, 0.4729, 0.2379



22.0420, 0.4833, 0.2436

Inverse Universe

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



11.7694, 0.3333, 0.2997



19.2994, 0.3392, 0.2927



15.5887, 0.2824, 0.3317



3.7308, 0.3200, 0.3176



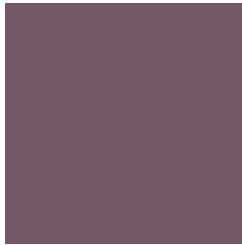
4.5590, 0.4729, 0.2379



22.0420, 0.4833, 0.2436

Previews

White Background



This preview shows how the Yxy color 11.7689, 0.3333, 0.2997 looks on a white background.

Color Contrast Check

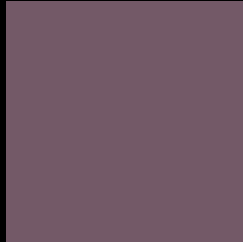
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7689, 0.3333, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

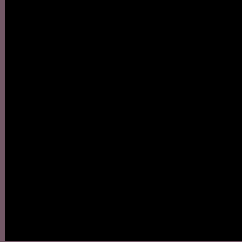
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7689, 0.3333, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 11.7689, 0.3333, 0.2997.

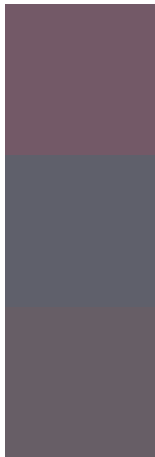


This preview shows how white text looks on a background with the Yxy color 11.7689, 0.3333, 0.2997.

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

11.7689, 0.3333, 0.2997

Protanopia

11.8602, 0.2963, 0.3041

Deuteranopia

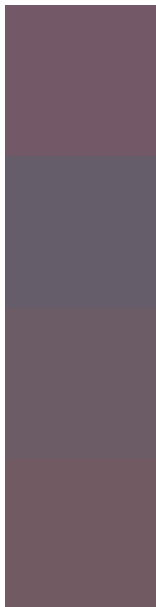
11.8483, 0.3151, 0.3112



Tritanopia

11.7528, 0.3409, 0.3141

Trichromacy



Original Color

11.7689, 0.3333, 0.2997

Protanomaly

11.6941, 0.3080, 0.3002

Deuteranomaly

11.7394, 0.3216, 0.3072

Tritanomaly

11.7906, 0.3377, 0.3099

Monochromacy



Original Color

11.7689, 0.3333, 0.2997

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0476, 0.3194, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7689, 0.3333, 0.2997 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, 89, 103)` looks like.

```
.text, #text, p{  
    color:rgb(115, 89, 103)  
}
```

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, 89, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 89, 103) }
```

Border

The CSS property to change the border of an element to Yxy 11.7689, 0.3333, 0.2997 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, 89, 103) }
```

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

```
.border{ border-color:rgb(115, 89, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 89, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 89, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 89, 103); box-shadow:4px 4px 4px 4px rgb(115, 89, 103) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7689, 0.3333, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 89, 103) }
```

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

```
.background{ background-color: rgb(115, 89,  
103) }
```

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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