

Converting Colors

$Y_{xy}(11.7677, 0.4280, 0.3557)$

Have a look what the booklet for
Yxy(11.7677, 0.4280, 0.3557)
contains.

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Color

Yxy(11.7671, 0.4280, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	875345
RGB	135, 83, 69
RGB Percent	53%, 33%, 27%
CMY	0.4706, 0.6745, 0.7294
CMYK	0.00, 0.39, 0.49, 0.47
HSL	13°, 32%, 40%
HSV	13°, 49%, 53%
XYZ	14.1589, 11.7671, 7.1555
YIQ	96.9520, 35.4860, 6.6700

Conversions

Conversions Part 2

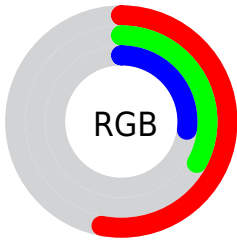
Format	Color
R_{YB}	135, 87, 69
Decimal	8868677
CIE _{Lab}	40.84, 20.04, 17.30
CIE _{LCh}	41, 26.471, 40.800
Yxy	11.7671, 0.4280, 0.3557
Android (android.graphics.Color)	4287058757 (0xFF875345)
YUV	96.9520, -13.7803, 33.3681
Hunter-Lab	34.3032, 13.6465, 11.6445

Details

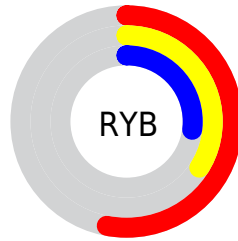
The Yxy color **11.7671, 0.4280, 0.3557** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.6881, 0.2450, 0.2992**, and the grayscale version is **11.9700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0066, 0.3978, 0.3514**, and **3.1916, 0.4871, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **10.1140, 0.4640, 0.3600**, and if you desaturate by 10%, it is **13.7092, 0.3963, 0.3504**.

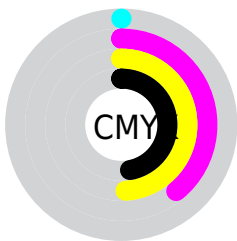
Distribution



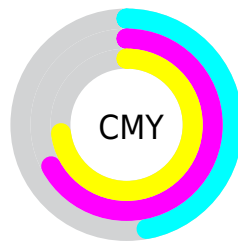
- Red (53%)
- Green (33%)
- Blue (27%)



- Red (53%)
- Yellow (34%)
- Blue (27%)



- Cyan (0%)
- Magenta (39%)
- Yellow (49%)
- Black (47%)





- Cyan (47%)
- Magenta (67%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7671, 0.4280, 0.3557 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 11.7671, 0.4280, 0.3557 by changing the saturation by 10% instead.


 11.7671, 0.4280,
0.3557


 11.7671, 0.4280,
0.3557


202.8573, 0.3569,
0.3420


 6.5853, 0.4524,
0.3583


 29.0702, 0.3979,
0.3510


 3.2041, 0.4888,
0.3601

 41.9603, 0.3880,
0.3491


 1.2392, 0.5872,
0.3826

 58.1886, 0.3801,
0.3474

 0.0934, 0.8609,
0.1391

 78.1395, 0.3737,
0.3460

 0.0000, 0.0000,
0.0000

 102.1975, 0.3684,
0.3448

130.7468, 0.3640,

0.3437

164.1720, 0.3602,
0.3428

■ 11.7671, 0.4280,
0.3557

■ 11.7671, 0.4280,
0.3557

■ 10.1140, 0.4640,
0.3600

■ 13.7092, 0.3963,
0.3504

■ 8.7343, 0.5030,
0.3626

■ 15.9515, 0.3691,
0.3447

■ 7.6133, 0.5424,
0.3624

■ 18.5069, 0.3462,
0.3390

■ 6.7342, 0.5783,
0.3588

■ 21.3869, 0.3270,
0.3336

■ 6.0738, 0.6082,
0.3532

■ 24.6023, 0.3111,
0.3285

■ 6.0120, 0.6114,
0.3527

■ 28.1635, 0.2978,
0.3238

■ 32.0806, 0.2866,
0.3195

■ 36.3631, 0.2772,
0.3155

■ 41.0200, 0.2693,
0.3120

Harmonies

Analogous

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



11.7671, 0.3997, 0.3107



11.7671, 0.4280, 0.3557



11.7671, 0.4212, 0.3991

Triad

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



11.7671, 0.4280, 0.3557



11.7671, 0.2740, 0.3981



11.7671, 0.2395, 0.2372

Complementary

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



11.7671, 0.4280, 0.3557



16.6881, 0.2450, 0.2992

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.



11.7671, 0.2129, 0.2497



11.7671, 0.4280, 0.3557



11.7671, 0.2308, 0.3400

Square

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



11.7671, 0.4280, 0.3557



11.7671, 0.3301, 0.4327



11.7671, 0.2097, 0.2850



11.7671, 0.2866, 0.2458

Rectangle

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



11.7671, 0.4280, 0.3557



11.7671, 0.3993, 0.4220



11.7671, 0.2097, 0.2850



11.7671, 0.2281, 0.2389

Sweetspot

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



11.7677, 0.4280, 0.3557



34.9072, 0.3390, 0.3370



10.8074, 0.3393, 0.2348



7.8708, 0.3427, 0.3380



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



11.7677, 0.4280, 0.3557



17.7289, 0.4695, 0.3605



17.8873, 0.3978, 0.4133



4.8371, 0.3274, 0.3337



5.5611, 0.6109, 0.3532



0.0282, 0.5442, 0.4061

Inverse Universe

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



16.6881, 0.2450, 0.2992



27.6018, 0.2325, 0.2909



10.1262, 0.2316, 0.2258



5.1157, 0.2992, 0.3243



11.2058, 0.2060, 0.2614



0.0492, 0.2158, 0.2967

Previews

White Background



This preview shows how the Yxy color 11.7671, 0.4280, 0.3557 looks on a white background.

Color Contrast Check

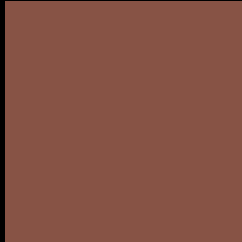
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7671, 0.4280, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

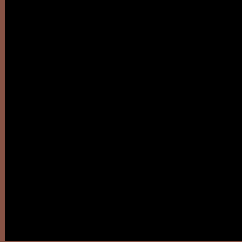
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7671, 0.4280, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 11.7671, 0.4280, 0.3557.



This preview shows how white text looks on a background with the Yxy color 11.7671, 0.4280, 0.3557.

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

11.7671, 0.4280, 0.3557

Protanopia

11.9410, 0.3541, 0.3796

Deuteranopia

11.8788, 0.3889, 0.3851



Tritanopia

11.8072, 0.3989, 0.3179

Trichromacy



Original Color

11.7671, 0.4280, 0.3557

Protanomaly

11.7802, 0.3803, 0.3702

Deuteranomaly

11.6997, 0.4026, 0.3726

Tritanomaly

11.8480, 0.4110, 0.3331

Monochromacy



Original Color

11.7671, 0.4280, 0.3557

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.7219, 0.3512, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7671, 0.4280, 0.3557 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(135, 83, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 83, 69)  
}
```

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(135, 83, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 83, 69) }
```

Border

The CSS property to change the border of an element to Yxy 11.7671, 0.4280, 0.3557 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(135, 83, 69) }
```

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

```
.border{ border-color:rgb(135, 83, 69) }
```

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

Here you see how a box with a 4 pixel rgb(135, 83, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 83, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 83, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 83,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7671, 0.4280, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 83, 69) }
```

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

```
.background{ background-color: rgb(135, 83,  
69) }
```

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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