

Converting Colors

$Y_{xy}(12.1669, 0.4041, 0.3247)$

Have a look what the booklet for
Yxy(12.1669, 0.4041, 0.3247)
contains.

Yxy(12.2457, 0.4045, 0.3255)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2457, 0.4045, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	8A5355
RGB	138, 83, 85
RGB Percent	54%, 33%, 33%
CMY	0.4587, 0.6746, 0.6666
CMYK	0.00, 0.40, 0.38, 0.46
HSL	358°, 25%, 43%
HSV	358°, 40%, 54%
XYZ	15.2178, 12.2457, 10.1577
YIQ	99.6730, 32.1380, 12.2820

Conversions

Conversions Part 2

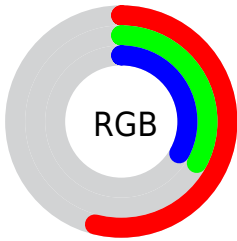
Format	Color
R _Y B	138, 83, 85
Decimal	9065301
CIE Lab	41.60, 23.21, 8.61
CIE LCh	42, 24.755, 20.353
Yxy	12.2457, 0.4045, 0.3255
Android (android.graphics.Color)	4287255381 (0xFF8A5355)
YUV	99.6730, -7.2338, 33.6128
Hunter-Lab	34.9939, 16.3850, 7.2855

Details

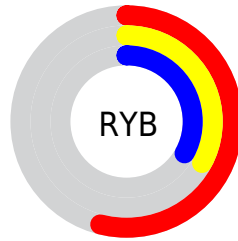
The Yxy color **12.2457, 0.4045, 0.3255** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.8009, 0.2611, 0.3328**, and the grayscale version is **12.6694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8618, 0.3799, 0.3265**, and **3.3934, 0.4555, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **10.1488, 0.4412, 0.3248**, and if you desaturate by 10%, it is **14.8040, 0.3739, 0.3264**.

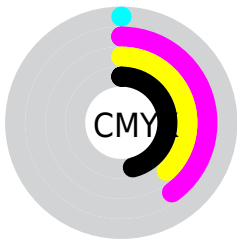
Distribution



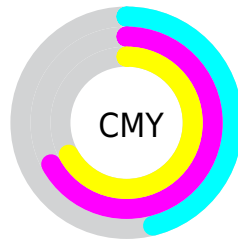
- Red (54%)
- Green (33%)
- Blue (33%)



- Red (54%)
- Yellow (33%)
- Blue (33%)



- Cyan (0%)
- Magenta (40%)
- Yellow (38%)
- Black (46%)




- Cyan (46%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2457, 0.4045, 0.3255 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 12.2457, 0.4045, 0.3255 by changing the saturation by 10% instead.

 12.2457, 0.4045,
0.3255


 12.2457, 0.4045,
0.3255


206.0252, 0.3481,
0.3289


 6.9112, 0.4240,
0.3234


 29.9418, 0.3806,
0.3274


 3.4067, 0.4537,
0.3195

 43.0723, 0.3727,
0.3279


 1.3475, 0.5048,
0.3112

 59.5701, 0.3665,
0.3282

 0.1776, 0.8055,
0.1945

 79.8199, 0.3614,
0.3285

 0.0000, 0.0000,
0.0000

 104.2059, 0.3572,
0.3286

133.1125, 0.3537,

0.3287

166.9241, 0.3507,
0.3288

■ 12.2457, 0.4045,
0.3255

■ 12.2457, 0.4045,
0.3255

■ 10.1488, 0.4412,
0.3248

■ 14.8040, 0.3739,
0.3264

■ 8.4842, 0.4834,
0.3243

■ 17.8469, 0.3490,
0.3273

■ 7.2223, 0.5288,
0.3244


■ 21.3984, 0.3288,
0.3282


■ 6.3289, 0.5729,
0.3250


■ 25.4802, 0.3125,
0.3290


■ 5.7644, 0.6090,
0.3264

■ 30.1128, 0.2994,
0.3298

 5.4208, 0.6343,
0.3270

 35.3157, 0.2888,
0.3305

 5.4167, 0.6346,
0.3270

 41.1072, 0.2801,
0.3311

 47.5051, 0.2730,
0.3317

 54.5262, 0.2671,
0.3322

Harmonies

Analogous

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



12.2457, 0.3608, 0.2865



12.2457, 0.4045, 0.3255



12.2457, 0.4207, 0.3679

Triad

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



12.2457, 0.4045, 0.3255



12.2457, 0.3122, 0.4174



12.2457, 0.2254, 0.2495

Complementary

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



12.2457, 0.4045, 0.3255



21.8009, 0.2611, 0.3328

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.



12.2457, 0.2153, 0.2759



12.2457, 0.4045, 0.3255



12.2457, 0.2625, 0.3767

Square

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



12.2457, 0.4045, 0.3255



12.2457, 0.3646, 0.4264



12.2457, 0.2280, 0.3220



12.2457, 0.2570, 0.2441

Rectangle

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



12.2457, 0.4045, 0.3255



12.2457, 0.4136, 0.3941



12.2457, 0.2280, 0.3220



12.2457, 0.2196, 0.2559

Sweetspot

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



12.2463, 0.4045, 0.3255



36.1293, 0.3332, 0.3280



13.1942, 0.3131, 0.2332



7.9486, 0.3353, 0.3279



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.



12.2463, 0.4045, 0.3255



18.1653, 0.4378, 0.3248



16.7036, 0.3900, 0.3747



5.0514, 0.3275, 0.3282



4.9647, 0.6343, 0.3268



0.0333, 0.6086, 0.3126

Inverse Universe

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



12.2463, 0.4045, 0.3255



18.1653, 0.4378, 0.3248



15.5425, 0.2519, 0.2778



5.0514, 0.3275, 0.3282



4.9647, 0.6343, 0.3268



0.0333, 0.6086, 0.3126

Previews

White Background



This preview shows how the Yxy color 12.2457, 0.4045, 0.3255 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 12.2457, 0.4045, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

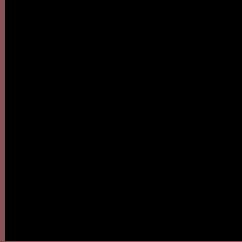
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2457, 0.4045, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 12.2457, 0.4045, 0.3255.



This preview shows how white text looks on a background with the Yxy color 12.2457, 0.4045, 0.3255.

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

12.2457, 0.4045, 0.3255

Protanopia

12.3505, 0.3258, 0.3403

Deuteranopia

12.3864, 0.3609, 0.3550



Tritanopia

12.1591, 0.3979, 0.3162

Trichromacy



Original Color

12.2457, 0.4045, 0.3255

Protanomaly

12.2117, 0.3525, 0.3355

Deuteranomaly

12.3332, 0.3763, 0.3436

Tritanomaly

12.1424, 0.3997, 0.3181

Monochromacy



Original Color

12.2457, 0.4045, 0.3255

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4090, 0.3427, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2457, 0.4045, 0.3255 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(138, 83, 85)` looks like.

```
.text, #text, p{  
    color:rgb(138, 83, 85)  
}
```

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(138, 83, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 83, 85) }
```

Border

The CSS property to change the border of an element to Yxy 12.2457, 0.4045, 0.3255 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(138, 83, 85) }
```

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

```
.border{ border-color:rgb(138, 83, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 83, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 83, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 83, 85);  
box-shadow:4px 4px 4px 4px rgb(138, 83,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2457, 0.4045, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 83, 85) }
```

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

```
.background{ background-color: rgb(138, 83,  
85) }
```

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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