

Converting Colors

$Y_{xy}(12.2078, 0.4154, 0.4317)$

Have a look what the booklet for
Yxy(12.2078, 0.4154, 0.4317)
contains.

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Color

Yxy(12.2078, 0.4154, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	73602E
RGB	115, 96, 46
RGB Percent	45%, 38%, 18%
CMY	0.5490, 0.6235, 0.8195
CMYK	0.00, 0.17, 0.60, 0.55
HSL	43°, 43%, 32%
HSV	43°, 60%, 45%
XYZ	11.7469, 12.2078, 4.3238
YIQ	95.9810, 27.3740, -11.5220

Conversions

Conversions Part 2

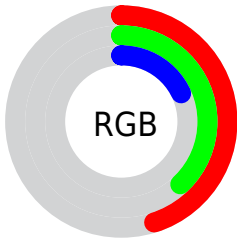
Format	Color
R_{YB}	72, 115, 46
Decimal	7561262
CIE Lab	41.54, 1.02, 30.98
CIE LCh	42, 30.998, 88.115
Yxy	12.2078, 0.4154, 0.4317
Android (android.graphics.Color)	4285751342 (0xFF73602E)
YUV	95.9810, -24.6406, 16.6797
Hunter-Lab	34.9397, -1.1320, 17.1206

Details

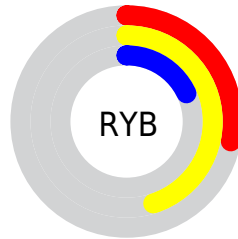
The Yxy color **12.2078, 0.4154, 0.4317** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.6022, 0.2131, 0.1952**, and the grayscale version is **11.7491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8009, 0.3910, 0.4066**, and **3.4050, 0.4607, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **11.5630, 0.4330, 0.4444**, and if you desaturate by 10%, it is **12.9014, 0.3970, 0.4164**.

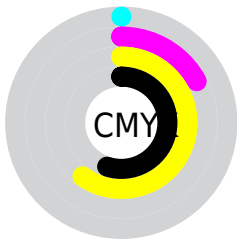
Distribution



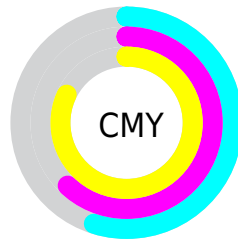
- Red (45%)
- Green (38%)
- Blue (18%)



- Red (28%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (17%)
- Yellow (60%)
- Black (55%)




- Cyan (55%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2078, 0.4154, 0.4317 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 12.2078, 0.4154, 0.4317 by changing the saturation by 10% instead.


 12.2078, 0.4154,
0.4317

 12.2078, 0.4154,
0.4317


205.7762, 0.3547,
0.3714


 6.8854, 0.4332,
0.4491


 29.8730, 0.3910,
0.4077


 3.3905, 0.4622,
0.4772

 42.9846, 0.3826,
0.3992

 1.3388, 0.4937,
0.5063

 59.4613, 0.3757,
0.3924

 0.1710, 0.5229,
0.4771

 79.6876, 0.3700,
0.3867

 0.0000, 0.0000,
0.0000

 104.0478, 0.3652,
0.3819

 132.9264, 0.3612,

0.3779

166.7077, 0.3577,
0.3744

■ 12.2078, 0.4154,
0.4317

■ 12.2078, 0.4154,
0.4317

■ 11.5630, 0.4330,
0.4444

■ 12.9014, 0.3970,
0.4164

■ 10.9630, 0.4490,
0.4535

■ 13.6440, 0.3785,
0.3994

■ 10.4057, 0.4627,
0.4585

■ 14.4382, 0.3605,
0.3816

■ 9.8821, 0.4752,
0.4609

■ 15.2857, 0.3434,
0.3636

■ 9.8814, 0.4752,
0.4609

■ 16.1880, 0.3274,
0.3459

■ 17.1467, 0.3127,
0.3290

■ 18.1633, 0.2993,
0.3130

■ 19.2392, 0.2871,
0.2980

■ 20.3757, 0.2762,
0.2841

Harmonies

Analogous

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



12.2078, 0.4457, 0.3871



12.2078, 0.4154, 0.4317



12.2078, 0.3591, 0.4533

Triad

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



12.2078, 0.4154, 0.4317



12.2078, 0.2021, 0.3018



12.2078, 0.3209, 0.2495

Complementary

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



12.2078, 0.4154, 0.4317



5.6022, 0.2131, 0.1952

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.



12.2078, 0.2572, 0.2279



12.2078, 0.4154, 0.4317



12.2078, 0.1946, 0.2513

Square

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



12.2078, 0.4154, 0.4317



12.2078, 0.2366, 0.3714



12.2078, 0.2134, 0.2273



12.2078, 0.3893, 0.2877

Rectangle

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



12.2078, 0.4154, 0.4317



12.2078, 0.3153, 0.4447



12.2078, 0.2134, 0.2273



12.2078, 0.2981, 0.2402

Sweetspot

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



12.2084, 0.4154, 0.4317



27.6081, 0.3409, 0.3609



5.9888, 0.4341, 0.2883



6.4970, 0.3448, 0.3651



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.



12.2084, 0.4154, 0.4317



20.2753, 0.4395, 0.4484



15.1722, 0.3721, 0.4749



4.1039, 0.3260, 0.3443



11.2590, 0.4757, 0.4605



53.3786, 0.4794, 0.4576

Inverse Universe

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



5.6022, 0.2131, 0.1952



7.3416, 0.1910, 0.1591



4.1843, 0.2229, 0.1556



3.7390, 0.2995, 0.3132



2.5430, 0.1611, 0.0999



11.1321, 0.1587, 0.0913

Previews

White Background



This preview shows how the Yxy color 12.2078, 0.4154, 0.4317 looks on a white background.

Color Contrast Check

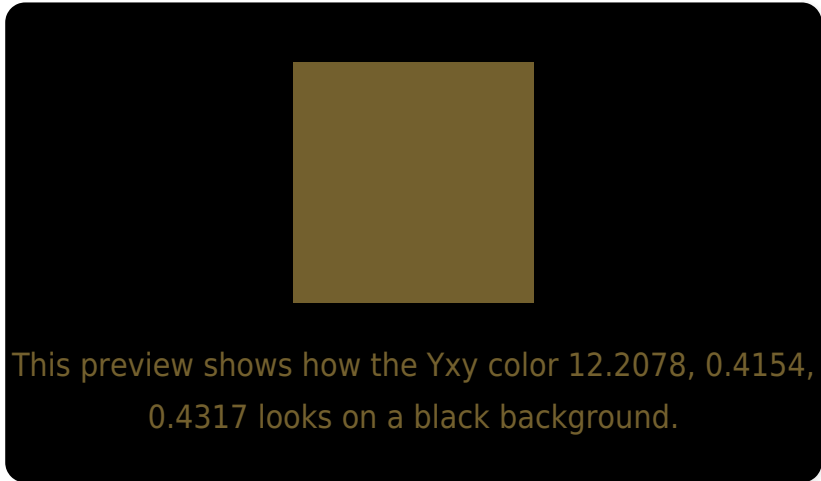
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

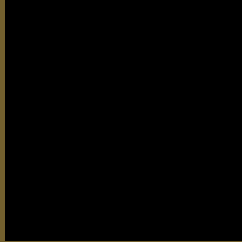
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2078, 0.4154, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 12.2078, 0.4154, 0.4317.



This preview shows how white text looks on a background with the Yxy color 12.2078, 0.4154, 0.4317.

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

12.2078, 0.4154, 0.4317

Protanopia

12.1918, 0.4020, 0.4380

Deuteranopia

12.0989, 0.4277, 0.4203



Tritanopia

12.0973, 0.3490, 0.3146

Trichromacy



Original Color

12.2078, 0.4154, 0.4317

Protanomaly

12.1341, 0.4064, 0.4347

Deuteranomaly

12.1326, 0.4232, 0.4235

Tritanomaly

12.0559, 0.3772, 0.3588

Monochromacy



Original Color

12.2078, 0.4154, 0.4317

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7994, 0.3501, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2078, 0.4154, 0.4317 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, 96, 46)` looks like.

```
.text, #text, p{  
    color:rgb(115, 96, 46)  
}
```

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, 96, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 96, 46) }
```

Border

The CSS property to change the border of an element to Yxy 12.2078, 0.4154, 0.4317 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, 96, 46) }
```

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

```
.border{ border-color:rgb(115, 96, 46) }
```

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

Here you see how a box with a 4 pixel rgb(115, 96, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 96, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 96, 46);  
box-shadow:4px 4px 4px 4px rgb(115, 96,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2078, 0.4154, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 96, 46) }
```

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

```
.background{ background-color: rgb(115, 96,  
46) }
```

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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