

Converting Colors

$Y_{xy}(12.0815, 0.4550, 0.4348)$

Have a look what the booklet for
Yxy(12.0815, 0.4550, 0.4348)
contains.

Yxy(12.0221, 0.4559, 0.4348)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0221, 0.4559, 0.4348)

Conversions

Conversions Part 1

Format	Color
Hex	7E5B20
RGB	126, 91, 32
RGB Percent	49%, 36%, 13%
CMY	0.5059, 0.6431, 0.8745
CMYK	0.00, 0.28, 0.75, 0.51
HSL	38°, 59%, 31%
HSV	38°, 75%, 49%
XYZ	12.6055, 12.0221, 3.0221
YIQ	94.7390, 39.7990, -10.9290

Conversions

Conversions Part 2

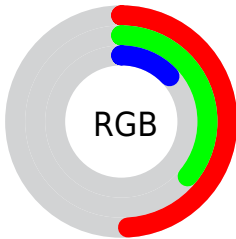
Format	Color
RYB	88, 126, 32
Decimal	8280864
CIELab	41.25, 8.21, 38.15
CIElCh	41, 39.028, 77.856
Yxy	12.0221, 0.4559, 0.4348
Android (android.graphics.Color)	4286470944 (0xFF7E5B20)
YUV	94.7390, -30.9303, 27.4159
Hunter-Lab	34.6729, 4.2170, 19.1033

Details

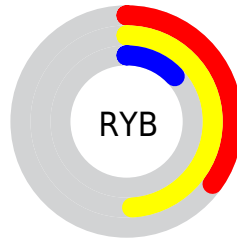
The Yxy color **12.0221, 0.4559, 0.4348** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.8258, 0.1946, 0.1781**, and the grayscale version is **11.4464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5740, 0.4230, 0.4134**, and **3.3326, 0.4990, 0.4420** is the 20% darker color. If you saturate the color by 10%, you get **11.1898, 0.4750, 0.4401**, and if you desaturate by 10%, it is **12.9320, 0.4351, 0.4254**.

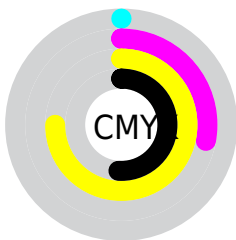
Distribution



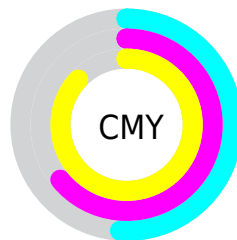
- Red (49%)
- Green (36%)
- Blue (13%)



- Red (35%)
- Yellow (49%)
- Blue (13%)



- Cyan (0%)
- Magenta (28%)
- Yellow (75%)
- Black (51%)





- Cyan (51%)
- Magenta (64%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0221, 0.4559, 0.4348 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 12.0221, 0.4559, 0.4348 by changing the saturation by 10% instead.


 12.0221, 0.4559,
0.4348


 12.0221, 0.4559,
0.4348


204.5515, 0.3719,
0.3765


 6.7587, 0.4791,
0.4477


 29.5354, 0.4229,
0.4136


 3.3117, 0.5247,
0.4753

 42.5540, 0.4111,
0.4054


 1.2965, 0.5379,
0.4621


 58.9266, 0.4015,
0.3985

 0.1385, 0.7057,
0.2943

 79.0374, 0.3935,
0.3927

 0.0000, 0.0000,
0.0000

 103.2710, 0.3868,
0.3878

 132.0115, 0.3811,

0.3835

165.6436, 0.3762,
0.3798

12.0221, 0.4559,
0.4348

12.0221, 0.4559,
0.4348

11.1898, 0.4750,
0.4401

12.9320, 0.4351,
0.4254

10.4285, 0.4917,
0.4409

13.9211, 0.4136,
0.4130

10.0411, 0.5006,
0.4407

14.9935, 0.3923,
0.3984

16.1518, 0.3719,
0.3828

17.3990, 0.3528,
0.3668

■ 18.7377, 0.3353,
0.3510

■ 20.1701, 0.3195,
0.3358

■ 21.6988, 0.3052,
0.3213

■ 23.3258, 0.2925,
0.3079

Harmonies

Analogous

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



12.0221, 0.4816, 0.3744



12.0221, 0.4559, 0.4348



12.0221, 0.3931, 0.4801

Triad

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



12.0221, 0.4559, 0.4348



12.0221, 0.1869, 0.3208



12.0221, 0.2925, 0.2207

Complementary

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



12.0221, 0.4559, 0.4348



5.8258, 0.1946, 0.1781

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.



12.0221, 0.2220, 0.2027



12.0221, 0.4559, 0.4348



12.0221, 0.1683, 0.2479

Square

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



12.0221, 0.4559, 0.4348



12.0221, 0.2379, 0.4144



12.0221, 0.1804, 0.2100



12.0221, 0.3803, 0.2600

Rectangle

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



12.0221, 0.4559, 0.4348



12.0221, 0.3407, 0.4868



12.0221, 0.1804, 0.2100



12.0221, 0.2662, 0.2121

Sweetspot

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



12.0227, 0.4559, 0.4348



31.1079, 0.3490, 0.3634



5.8858, 0.4594, 0.2660



6.9642, 0.3529, 0.3669



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.0227, 0.4559, 0.4348



18.6826, 0.4877, 0.4410



18.6717, 0.3929, 0.4958



4.7587, 0.3264, 0.3425



10.2937, 0.5007, 0.4406



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8258, 0.1946, 0.1781



7.2702, 0.1749, 0.1397



3.0518, 0.1860, 0.1075



4.4536, 0.2993, 0.3151



3.6154, 0.1677, 0.1238



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.0221, 0.4559, 0.4348 looks on a white background.

Color Contrast Check

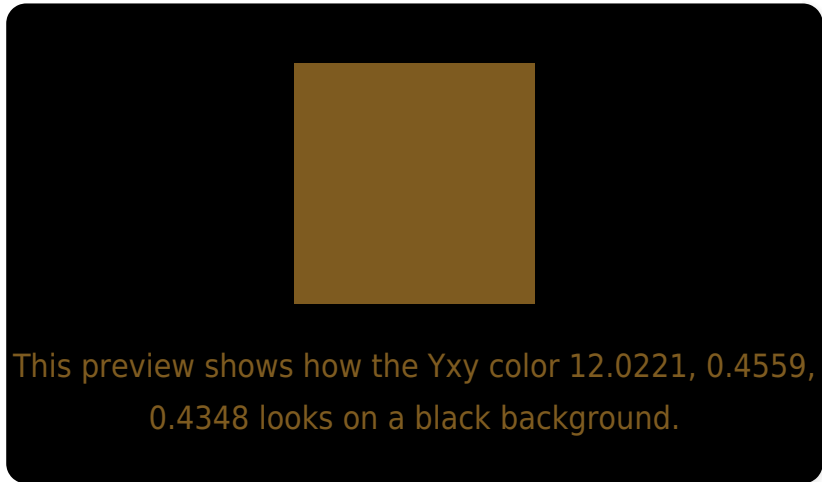
Large Text (above 18pt) WCAG AA ✓ Pass

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

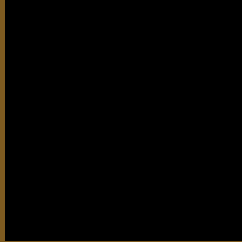
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0221, 0.4559, 0.4348

Background



This preview shows how black text looks on a background with the Yxy color 12.0221, 0.4559, 0.4348.



This preview shows how white text looks on a background with the Yxy color 12.0221, 0.4559, 0.4348.

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

12.0221, 0.4559, 0.4348

Protanopia

12.1021, 0.4163, 0.4595

Deuteranopia

12.0652, 0.4475, 0.4430



Tritanopia

12.0155, 0.3777, 0.3155

Trichromacy



Original Color

12.0221, 0.4559, 0.4348

Protanomaly

11.9391, 0.4313, 0.4502

Deuteranomaly

11.9642, 0.4506, 0.4404

Tritanomaly

11.9257, 0.4127, 0.3628

Monochromacy



Original Color

12.0221, 0.4559, 0.4348

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5375, 0.3654, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0221, 0.4559, 0.4348 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(126, 91, 32)` looks like.

```
.text, #text, p{  
    color:rgb(126, 91, 32)  
}
```

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(126, 91, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 91, 32) }
```

Border

The CSS property to change the border of an element to Yxy 12.0221, 0.4559, 0.4348 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(126, 91, 32) }
```

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

```
.border{ border-color:rgb(126, 91, 32) }
```

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

Here you see how a box with a 4 pixel rgb(126, 91, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 91, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 91, 32);  
box-shadow:4px 4px 4px 4px rgb(126, 91,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0221, 0.4559, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 91, 32) }
```

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

```
.background{ background-color: rgb(126, 91,  
32) }
```

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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