

Converting Colors

$Y_{xy}(12.2824, 0.5092, 0.4203)$

Have a look what the booklet for
Yxy(12.2824, 0.5092, 0.4203)
contains.

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Color

Yxy(12.2437, 0.5094, 0.4196)

Conversions

Conversions Part 1

Format	Color
Hex	915310
RGB	145, 83, 16
RGB Percent	57%, 33%, 6%
CMY	0.4314, 0.6745, 0.9371
CMYK	0.00, 0.43, 0.89, 0.43
HSL	31°, 80%, 32%
HSV	31°, 89%, 57%
XYZ	14.8640, 12.2437, 2.0717
YIQ	93.9000, 58.4590, -7.6930

Conversions

Conversions Part 2

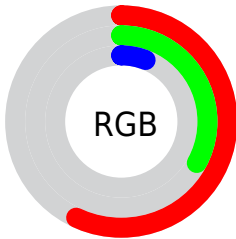
Format	Color
R_{YB}	135, 145, 16
Decimal	9523984
CIE Lab	41.60, 21.10, 45.92
CIE LCh	42, 50.535, 65.318
Yxy	12.2437, 0.5094, 0.4196
Android (android.graphics.Color)	4287714064 (0xFF915310)
YUV	93.9000, -38.4047, 44.8147
Hunter-Lab	34.9910, 14.5917, 20.9833

Details

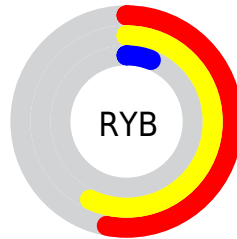
The Yxy color **12.2437, 0.5094, 0.4196** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.6093, 0.1851, 0.1750**, and the grayscale version is **11.2523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0177, 0.4660, 0.4078**, and **3.4470, 0.5533, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **11.1965, 0.5301, 0.4159**, and if you desaturate by 10%, it is **13.4243, 0.4861, 0.4191**.

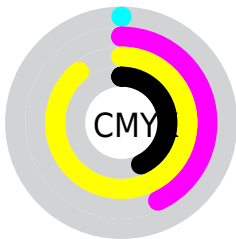
Distribution



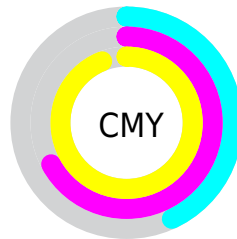
- Red (57%)
- Green (33%)
- Blue (6%)



- Red (53%)
- Yellow (57%)
- Blue (6%)



- Cyan (0%)
- Magenta (43%)
- Yellow (89%)
- Black (43%)




- Cyan (43%)
- Magenta (67%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2437, 0.5094, 0.4196 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 12.2437, 0.5094, 0.4196 by changing the saturation by 10% instead.


 12.2437, 0.5094,
0.4196

 12.2437, 0.5094,
0.4196


 206.0120, 0.3959,
0.3777

 6.9099, 0.5399,
0.4234


 29.9382, 0.4660,
0.4081


 3.4058, 0.5784,
0.4216

 43.0676, 0.4501,
0.4023


 1.3471, 0.6080,
0.3920

 59.5644, 0.4369,
0.3969

 0.1772, 0.7941,
0.2059


 79.8129, 0.4259,
0.3921

 0.0000, 0.0000,
0.0000

 104.1975, 0.4167,
0.3879


 133.1027, 0.4087,


0.3841


 166.9127, 0.4019,
0.3807


 12.2437, 0.5094,
0.4196


 12.2437, 0.5094,
0.4196

 11.1965, 0.5301,
0.4159

 13.4243, 0.4861,
0.4191

 11.0913, 0.5324,
0.4155

 14.7488, 0.4608,
0.4138

 16.2250, 0.4348,
0.4049

 17.8590, 0.4094,
0.3934

 19.6568, 0.3855,
0.3804

■ 21.6239, 0.3637,
0.3668

■ 23.7652, 0.3440,
0.3533

■ 26.0858, 0.3266,
0.3401

■ 28.5902, 0.3112,
0.3277

Harmonies

Analogous

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



12.2437, 0.5215, 0.3460



12.2437, 0.5094, 0.4196



12.2437, 0.4426, 0.4930

Triad

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



12.2437, 0.5094, 0.4196



12.2437, 0.1763, 0.3660



12.2437, 0.2451, 0.1847

Complementary

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



12.2437, 0.5094, 0.4196



7.6093, 0.1851, 0.1750

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.



12.2437, 0.1755, 0.1745



12.2437, 0.5094, 0.4196



12.2437, 0.1409, 0.2557

Square

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



12.2437, 0.5094, 0.4196



12.2437, 0.2515, 0.4887



12.2437, 0.1418, 0.1948



12.2437, 0.3497, 0.2211

Rectangle

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



12.2437, 0.5094, 0.4196



12.2437, 0.3817, 0.5278



12.2437, 0.1418, 0.1948



12.2437, 0.2177, 0.1783

Sweetspot

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



12.2443, 0.5094, 0.4196



39.2330, 0.3609, 0.3649



6.9470, 0.4713, 0.2471



8.4834, 0.3671, 0.3690



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.2443, 0.5094, 0.4196



19.5125, 0.5353, 0.4132



26.1142, 0.4136, 0.5019



5.8582, 0.3269, 0.3404



9.5658, 0.5315, 0.4162



0.1356, 0.4735, 0.4623

Inverse Universe

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



7.6093, 0.1851, 0.1750



11.0951, 0.1753, 0.1512



2.5467, 0.1582, 0.0726



5.6560, 0.2990, 0.3173



5.5311, 0.1766, 0.1557



0.0966, 0.1984, 0.2342

Previews

White Background



This preview shows how the Yxy color 12.2437, 0.5094, 0.4196 looks on a white background.

Color Contrast Check

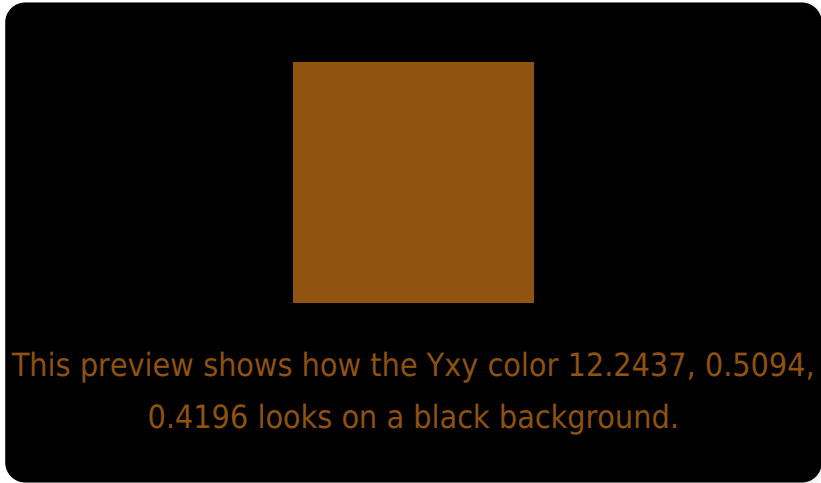
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2437, 0.5094, 0.4196

Background



This preview shows how black text looks on a background with the Yxy color 12.2437, 0.5094, 0.4196.



This preview shows how white text looks on a background with the Yxy color 12.2437, 0.5094, 0.4196.

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

12.2437, 0.5094, 0.4196

Protanopia

12.3537, 0.4293, 0.4759

Deuteranopia

12.3698, 0.4683, 0.4645



Tritanopia

12.2282, 0.4285, 0.3190

Trichromacy



Original Color

12.2437, 0.5094, 0.4196

Protanomaly

12.0867, 0.4588, 0.4545

Deuteranomaly

12.2332, 0.4837, 0.4479

Tritanomaly

12.1108, 0.4679, 0.3628

Monochromacy



Original Color

12.2437, 0.5094, 0.4196

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2164, 0.3897, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2437, 0.5094, 0.4196 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(145, 83, 16)` looks like.

```
.text, #text, p{  
    color:rgb(145, 83, 16)  
}
```

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(145, 83, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 83, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.2437, 0.5094, 0.4196 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(145, 83, 16) }
```

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

```
.border{ border-color:rgb(145, 83, 16) }
```

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

Here you see how a box with a 4 pixel rgb(145, 83, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 83, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 83, 16);  
box-shadow:4px 4px 4px 4px rgb(145, 83,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2437, 0.5094, 0.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 83, 16) }
```

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

```
.background{ background-color: rgb(145, 83,  
16) }
```

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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