

Converting Colors

$Y_{xy}(12.6597, 0.5164, 0.3828)$

Have a look what the booklet for
Yxy(12.6597, 0.5164, 0.3828)
contains.

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Color

Yxy(12.7104, 0.5162, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	9E4D25
RGB	158, 77, 37
RGB Percent	62%, 30%, 15%
CMY	0.3805, 0.6980, 0.8549
CMYK	0.00, 0.51, 0.77, 0.38
HSL	20°, 62%, 38%
HSV	20°, 77%, 62%
XYZ	17.0862, 12.7104, 3.3034
YIQ	96.6590, 61.1160, 4.7320

Conversions

Conversions Part 2

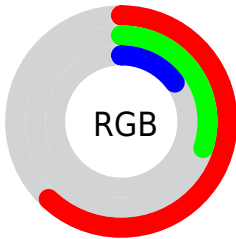
Format	Color
R_{YB}	158, 97, 37
Decimal	10374437
CIE Lab	42.32, 30.79, 38.18
CIE LCh	42, 49.051, 51.113
Yxy	12.7104, 0.5162, 0.3840
Android (android.graphics.Color)	4288564517 (0xFF9E4D25)
YUV	96.6590, -29.4119, 53.7961
Hunter-Lab	35.6516, 23.1566, 19.4625

Details

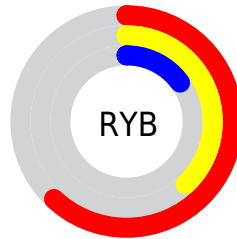
The Yxy color **12.7104, 0.5162, 0.3840** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.8122, 0.2098, 0.2474**, and the grayscale version is **11.9294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8301, 0.4677, 0.3801**, and **3.6454, 0.5895, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **11.2707, 0.5491, 0.3818**, and if you desaturate by 10%, it is **14.4350, 0.4813, 0.3819**.

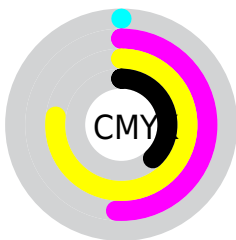
Distribution



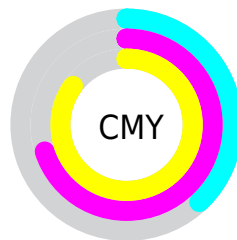
- Red (62%)
- Green (30%)
- Blue (15%)



- Red (62%)
- Yellow (38%)
- Blue (15%)



- Cyan (0%)
- Magenta (51%)
- Yellow (77%)
- Black (38%)





- Cyan (38%)
- Magenta (70%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7104, 0.5162, 0.3840 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 12.7104, 0.5162, 0.3840 by changing the saturation by 10% instead.


 12.7104, 0.5162,
0.3840


 12.7104, 0.5162,
0.3840


 209.0532, 0.3959,
0.3617

 7.2294, 0.5506,
0.3831


 30.7825, 0.4684,
0.3792


 3.6060, 0.6121,
0.3856

 44.1425, 0.4515,
0.3762


 1.4557, 0.6511,
0.3489

 60.8975, 0.4378,
0.3732

 0.2572, 0.7963,
0.2037

 81.4321, 0.4265,
0.3704

 0.0000, 0.0000,
0.0000

 106.1305, 0.4169,
0.3679

 135.3773, 0.4088,

0.3656

169.5567, 0.4019,
0.3636

12.7104, 0.5162,
0.3840

12.7104, 0.5162,
0.3840

11.2707, 0.5491,
0.3818

14.4350, 0.4813,
0.3819

10.0950, 0.5772,
0.3751

16.4581, 0.4471,
0.3765

9.7458, 0.5864,
0.3726

18.7950, 0.4153,
0.3690

21.4590, 0.3870,
0.3604

24.4627, 0.3623,
0.3515

■ 27.8179, 0.3411,
0.3427

■ 31.5359, 0.3231,
0.3343

■ 35.6274, 0.3077,
0.3264

■ 40.1027, 0.2947,
0.3191

Harmonies

Analogous

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



12.7104, 0.4937, 0.3145



12.7104, 0.5162, 0.3840



12.7104, 0.4744, 0.4565

Triad

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



12.7104, 0.5162, 0.3840



12.7104, 0.2118, 0.4236



12.7104, 0.2111, 0.1812

Complementary

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



12.7104, 0.5162, 0.3840



15.8122, 0.2098, 0.2474

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.



12.7104, 0.1603, 0.1848



12.7104, 0.5162, 0.3840



12.7104, 0.1581, 0.3040

Square

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



12.7104, 0.5162, 0.3840



12.7104, 0.2984, 0.5145



12.7104, 0.1427, 0.2221



12.7104, 0.2977, 0.2049

Rectangle

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



12.7104, 0.5162, 0.3840



12.7104, 0.4233, 0.4996



12.7104, 0.1427, 0.2221



12.7104, 0.1902, 0.1792

Sweetspot

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



12.7111, 0.5162, 0.3840



46.2700, 0.3554, 0.3487



9.9392, 0.3882, 0.2128



9.9782, 0.3630, 0.3518



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.7111, 0.5162, 0.3840



18.8851, 0.5698, 0.3772



24.9546, 0.4337, 0.4664



6.9867, 0.3276, 0.3365



7.8730, 0.5849, 0.3738



0.2139, 0.5152, 0.4291

Inverse Universe

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



15.8122, 0.2098, 0.2474



24.4548, 0.1975, 0.2261



6.0084, 0.1788, 0.1263



7.1394, 0.2988, 0.3214



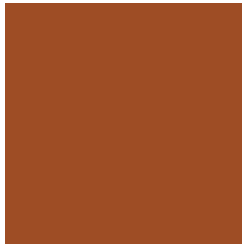
10.2651, 0.1943, 0.2195



0.2576, 0.2079, 0.2685

Previews

White Background



This preview shows how the Yxy color 12.7104, 0.5162, 0.3840 looks on a white background.

Color Contrast Check

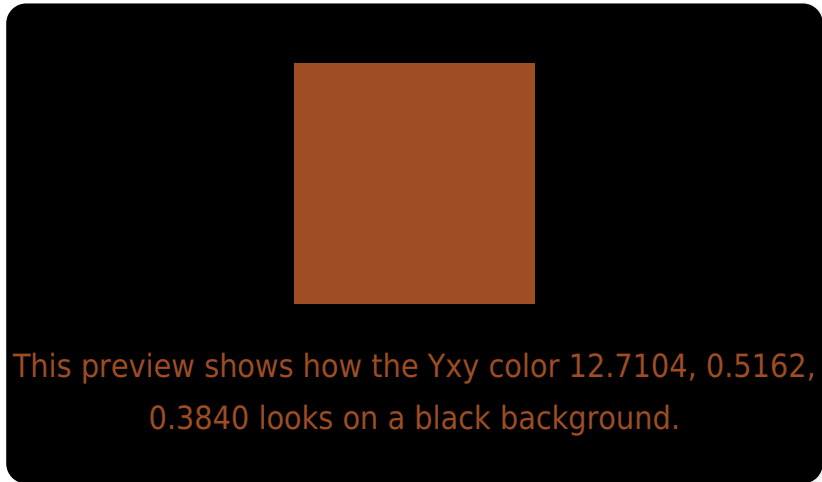
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7104, 0.5162, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 12.7104, 0.5162, 0.3840.



This preview shows how white text looks on a background with the Yxy color 12.7104, 0.5162, 0.3840.

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

12.7104, 0.5162, 0.3840

Protanopia

12.9340, 0.4068, 0.4463

Deuteranopia

12.7243, 0.4496, 0.4415



Tritanopia

12.7887, 0.4592, 0.3217

Trichromacy



Original Color

12.7104, 0.5162, 0.3840

Protanomaly

12.4815, 0.4491, 0.4221

Deuteranomaly

12.4982, 0.4764, 0.4176

Tritanomaly

12.6274, 0.4836, 0.3461

Monochromacy



Original Color

12.7104, 0.5162, 0.3840

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.7423, 0.3852, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7104, 0.5162, 0.3840 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(158, 77, 37)` looks like.

```
.text, #text, p{  
    color:rgb(158, 77, 37)  
}
```

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(158, 77, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 77, 37) }
```

Border

The CSS property to change the border of an element to Yxy 12.7104, 0.5162, 0.3840 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(158, 77, 37) }
```

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

```
.border{ border-color:rgb(158, 77, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 77, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 77, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 77, 37);  
box-shadow:4px 4px 4px 4px rgb(158, 77,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7104, 0.5162, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 77, 37) }
```

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

```
.background{ background-color: rgb(158, 77,  
37) }
```

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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