

Converting Colors

$Y_{xy}(11.6332, 0.5199, 0.3877)$

Have a look what the booklet for
Yxy(11.6332, 0.5199, 0.3877)
contains.

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Color

Yxy(11.6772, 0.5197, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	984A20
RGB	152, 74, 32
RGB Percent	60%, 29%, 13%
CMY	0.4040, 0.7098, 0.8746
CMYK	0.00, 0.51, 0.79, 0.40
HSL	21°, 65%, 36%
HSV	21°, 79%, 60%
XYZ	15.6570, 11.6772, 2.7928
YIQ	92.5340, 59.9700, 3.4740

Conversions

Conversions Part 2

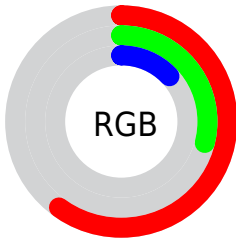
Format	Color
R_{YB}	152, 97, 32
Decimal	9980448
CIE Lab	40.70, 29.70, 38.77
CIE LCh	41, 48.842, 52.548
Yxy	11.6772, 0.5197, 0.3876
Android (android.graphics.Color)	4288170528 (0xFF984A20)
YUV	92.5340, -29.8433, 52.1517
Hunter-Lab	34.1719, 21.9847, 19.0748

Details

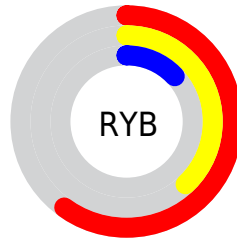
The Yxy color **11.6772, 0.5197, 0.3876** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.7139, 0.2066, 0.2395**, and the grayscale version is **10.8924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8287, 0.4706, 0.3823**, and **3.1717, 0.5914, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **10.3966, 0.5508, 0.3847**, and if you desaturate by 10%, it is **13.2043, 0.4860, 0.3860**.

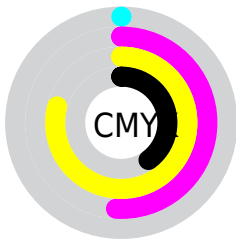
Distribution



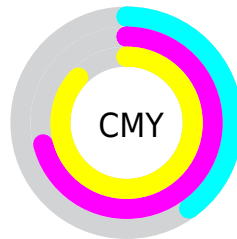
- Red (60%)
- Green (29%)
- Blue (13%)



- Red (60%)
- Yellow (38%)
- Blue (13%)



- Cyan (0%)
- Magenta (51%)
- Yellow (79%)
- Black (40%)




- Cyan (40%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6772, 0.5197, 0.3876 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 11.6772, 0.5197, 0.3876 by changing the saturation by 10% instead.


 11.6772, 0.5197,
0.3876

 11.6772, 0.5197,
0.3876


202.2564, 0.3964,
0.3634

 6.5243, 0.5550,
0.3864


 28.9058, 0.4705,
0.3824


 3.1664, 0.6143,
0.3857

 41.7503, 0.4532,
0.3791

 1.2192, 0.6543,
0.3457

 57.9274, 0.4392,
0.3759

 0.0773, 0.9117,
0.0883

 77.8216, 0.4276,
0.3729

 0.0000, 0.0000,
0.0000


 101.8171, 0.4179,
0.3701

 130.2985, 0.4096,


0.3676


 163.6502, 0.4025,
0.3654


 11.6772, 0.5197,
0.3876


 11.6772, 0.5197,
0.3876


 10.3966, 0.5508,
0.3847


 13.2043, 0.4860,
0.3860


 9.3408, 0.5779,
0.3778

 14.9895, 0.4524,
0.3808

 9.2430, 0.5807,
0.3771

 17.0461, 0.4209,
0.3732

 19.3855, 0.3924,
0.3644

 22.0185, 0.3673,
0.3550

■ 24.9555, 0.3456,
0.3456

■ 28.2060, 0.3270,
0.3366

■ 31.7793, 0.3112,
0.3282

■ 35.6842, 0.2977,
0.3203

Harmonies

Analogous

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



11.6772, 0.5007, 0.3169



11.6772, 0.5197, 0.3876



11.6772, 0.4738, 0.4616

Triad

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



11.6772, 0.5197, 0.3876



11.6772, 0.2058, 0.4201



11.6772, 0.2124, 0.1791

Complementary

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



11.6772, 0.5197, 0.3876



13.7139, 0.2066, 0.2395

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.



11.6772, 0.1592, 0.1812



11.6772, 0.5197, 0.3876



11.6772, 0.1535, 0.2978

Square

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



11.6772, 0.5197, 0.3876



11.6772, 0.2928, 0.5172



11.6772, 0.1398, 0.2169



11.6772, 0.3022, 0.2044

Rectangle

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



11.6772, 0.5197, 0.3876



11.6772, 0.4205, 0.5055



11.6772, 0.1398, 0.2169



11.6772, 0.1906, 0.1765

Sweetspot

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



11.6778, 0.5197, 0.3876



41.1355, 0.3571, 0.3507



8.8313, 0.3999, 0.2170



8.9702, 0.3645, 0.3538



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



11.6778, 0.5197, 0.3876



16.8581, 0.5717, 0.3789



23.8257, 0.4314, 0.4730



6.5590, 0.3275, 0.3368



7.8046, 0.5795, 0.3781



0.1806, 0.5077, 0.4351

Inverse Universe

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



13.7139, 0.2066, 0.2395



20.2996, 0.1942, 0.2161



4.8520, 0.1741, 0.1142



6.6621, 0.2989, 0.3210



9.4037, 0.1925, 0.2128



0.2082, 0.2081, 0.2693

Previews

White Background



This preview shows how the Yxy color 11.6772, 0.5197, 0.3876 looks on a white background.

Color Contrast Check

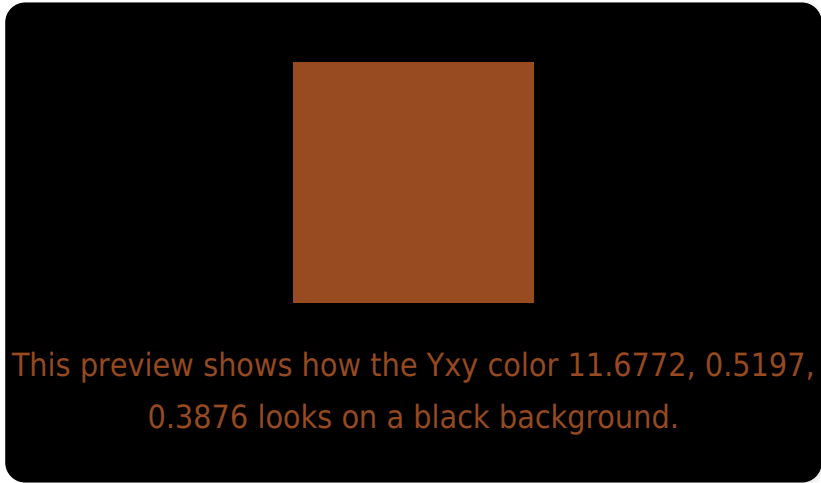
Large Text (above 18pt) WCAG AA ✓ Pass

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

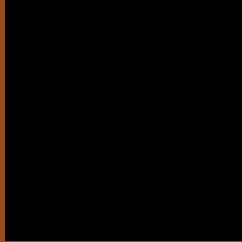
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6772, 0.5197, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 11.6772, 0.5197, 0.3876.



This preview shows how white text looks on a background with the Yxy color 11.6772, 0.5197, 0.3876.

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

11.6772, 0.5197, 0.3876

Protanopia

11.8775, 0.4119, 0.4526

Deuteranopia

11.7938, 0.4521, 0.4481



Tritanopia

11.7448, 0.4607, 0.3230

Trichromacy



Original Color

11.6772, 0.5197, 0.3876

Protanomaly

11.5572, 0.4517, 0.4278

Deuteranomaly

11.4864, 0.4789, 0.4240

Tritanomaly

11.5945, 0.4859, 0.3482

Monochromacy



Original Color

11.6772, 0.5197, 0.3876

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.6879, 0.3864, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6772, 0.5197, 0.3876 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(152, 74, 32)` looks like.

```
.text, #text, p{  
  color:rgb(152, 74, 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(152, 74, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 74, 32) }
```

Border

The CSS property to change the border of an element to Yxy 11.6772, 0.5197, 0.3876 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(152, 74, 32) }
```

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

```
.border{ border-color:rgb(152, 74, 32) }
```

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

Here you see how a box with a 4 pixel rgb(152, 74, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 74, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 74, 32);  
box-shadow:4px 4px 4px 4px rgb(152, 74,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6772, 0.5197, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 74, 32) }
```

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

```
.background{ background-color: rgb(152, 74,  
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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