

Converting Colors

$Y_{xy}(12.2720, 0.5233, 0.3992)$

Have a look what the booklet for
Yxy(12.2720, 0.5233, 0.3992)
contains.

Yxy(12.2870, 0.5220, 0.4002)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.2870, 0.5220, 0.4002)$

Conversions

Conversions Part 1

Format	Color
Hex	994E18
RGB	153, 78, 24
RGB Percent	60%, 31%, 9%
CMY	0.4000, 0.6941, 0.9061
CMYK	0.00, 0.49, 0.84, 0.40
HSL	25°, 73%, 35%
HSV	25°, 84%, 60%
XYZ	16.0265, 12.2870, 2.3886
YIQ	94.2690, 62.0340, -0.8940

Conversions

Conversions Part 2

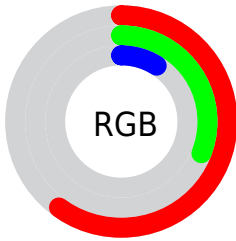
Format	Color
R_{YB}	153, 117, 24
Decimal	10047000
CIE _{Lab}	41.67, 27.66, 43.44
CIE _{LCh}	42, 51.498, 57.516
Yxy	12.2870, 0.5220, 0.4002
Android (android.graphics.Color)	4288237080 (0xFF994E18)
YUV	94.2690, -34.6426, 51.5071
Hunter-Lab	35.0528, 20.2697, 20.4967

Details

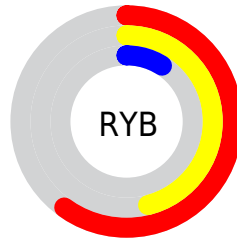
The Yxy color **12.2870, 0.5220, 0.4002** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.4097, 0.1968, 0.2122**, and the grayscale version is **11.3325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9033, 0.4745, 0.3937**, and **3.4668, 0.5795, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **11.0615, 0.5480, 0.3956**, and if you desaturate by 10%, it is **13.7204, 0.4926, 0.3997**.

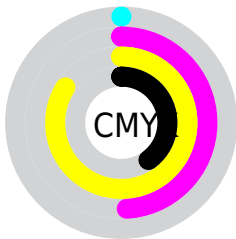
Distribution



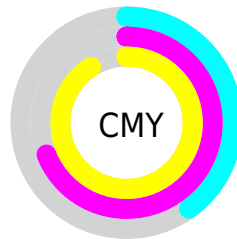
- Red (60%)
- Green (31%)
- Blue (9%)



- Red (60%)
- Yellow (46%)
- Blue (9%)



- Cyan (0%)
- Magenta (49%)
- Yellow (84%)
- Black (40%)




- Cyan (40%)
- Magenta (69%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2870, 0.5220, 0.4002 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 12.2870, 0.5220, 0.4002 by changing the saturation by 10% instead.


 12.2870, 0.5220,
0.4002


 12.2870, 0.5220,
0.4002


206.2962, 0.3998,
0.3702


 6.9395, 0.5552,
0.3999


 30.0167, 0.4745,
0.3934


 3.4243, 0.6037,
0.3963

 43.1677, 0.4573,
0.3893


 1.3570, 0.6399,
0.3601


 59.6887, 0.4433,
0.3853

 0.1847, 0.8216,
0.1784


 79.9639, 0.4316,
0.3817


 0.0000, 0.0000,
0.0000

 104.3779, 0.4217,
0.3783


 133.3150, 0.4133,

0.3754


 167.1596, 0.4061,
0.3727


 12.2870, 0.5220,
0.4002


 12.2870, 0.5220,
0.4002

 11.0615, 0.5480,
0.3956

 13.7204, 0.4926,
0.3997

 10.4485, 0.5619,
0.3920

 15.3714, 0.4619,
0.3948

 17.2513, 0.4318,
0.3868

 19.3697, 0.4038,
0.3769

 21.7355, 0.3784,
0.3659

■ 24.3571, 0.3560,
0.3547

■ 27.2427, 0.3363,
0.3438

■ 30.3997, 0.3194,
0.3333

■ 33.8354, 0.3047,
0.3236

Harmonies

Analogous

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



12.2870, 0.5159, 0.3272



12.2870, 0.5220, 0.4002



12.2870, 0.4652, 0.4765

Triad

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



12.2870, 0.5220, 0.4002



12.2870, 0.1903, 0.4014



12.2870, 0.2219, 0.1775

Complementary

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



12.2870, 0.5220, 0.4002



11.4097, 0.1968, 0.2122

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.



12.2870, 0.1615, 0.1745



12.2870, 0.5220, 0.4002



12.2870, 0.1440, 0.2786

Square

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



12.2870, 0.5220, 0.4002



12.2870, 0.2748, 0.5145



12.2870, 0.1362, 0.2042



12.2870, 0.3201, 0.2077

Rectangle

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



12.2870, 0.5220, 0.4002



12.2870, 0.4071, 0.5196



12.2870, 0.1362, 0.2042



12.2870, 0.1975, 0.1733

Sweetspot

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



12.2877, 0.5220, 0.4002



43.0534, 0.3584, 0.3560



8.3296, 0.4285, 0.2270



9.1666, 0.3654, 0.3596



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.



12.2877, 0.5220, 0.4002



18.3609, 0.5651, 0.3895



26.2594, 0.4262, 0.4864



6.6266, 0.3273, 0.3384



8.6981, 0.5607, 0.3930



0.1996, 0.4930, 0.4467

Inverse Universe

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



11.4097, 0.1968, 0.2122



16.5177, 0.1847, 0.1850



3.6788, 0.1643, 0.0900



6.5926, 0.2989, 0.3195



7.8623, 0.1858, 0.1889



0.1893, 0.2042, 0.2552

Previews

White Background



This preview shows how the Yxy color 12.2870, 0.5220, 0.4002 looks on a white background.

Color Contrast Check

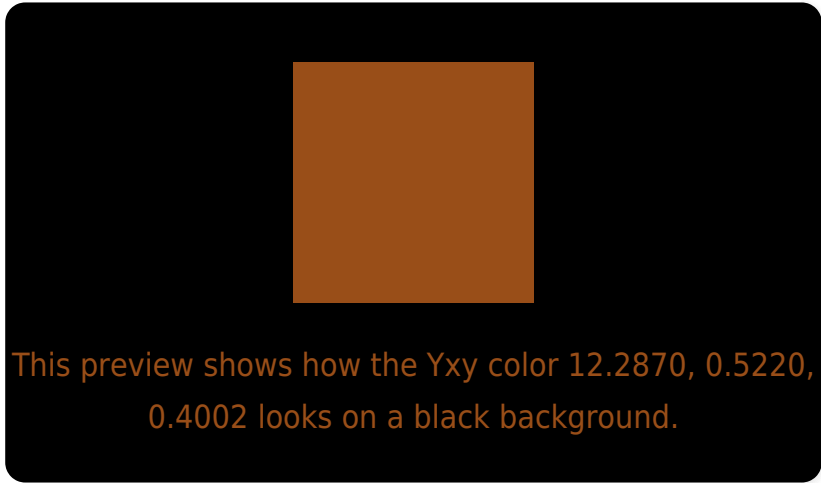
Large Text (above 18pt) WCAG AA ✓ Pass

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

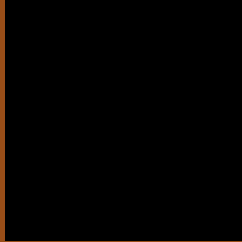
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2870, 0.5220, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 12.2870, 0.5220, 0.4002.



This preview shows how white text looks on a background with the Yxy color 12.2870, 0.5220, 0.4002.

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

12.2870, 0.5220, 0.4002

Protanopia

12.3919, 0.4226, 0.4660

Deuteranopia

12.4028, 0.4619, 0.4563



Tritanopia

12.2837, 0.4519, 0.3213

Trichromacy



Original Color

12.2870, 0.5220, 0.4002

Protanomaly

11.9969, 0.4606, 0.4406

Deuteranomaly

12.1774, 0.4852, 0.4345

Tritanomaly

12.2077, 0.4842, 0.3559

Monochromacy



Original Color

12.2870, 0.5220, 0.4002

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0540, 0.3899, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2870, 0.5220, 0.4002 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(153, 78, 24)` looks like.

```
.text, #text, p{  
    color:rgb(153, 78, 24)  
}
```

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(153, 78, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 78, 24) }
```

Border

The CSS property to change the border of an element to Yxy 12.2870, 0.5220, 0.4002 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(153, 78, 24) }
```

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

```
.border{ border-color:rgb(153, 78, 24) }
```

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

Here you see how a box with a 4 pixel rgb(153, 78, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 78, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 78, 24);  
box-shadow:4px 4px 4px 4px rgb(153, 78,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2870, 0.5220, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 78, 24) }
```

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

```
.background{ background-color: rgb(153, 78,  
24) }
```

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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