

Converting Colors

$Y_{xy}(19.9500, 0.5041, 0.4239)$

Have a look what the booklet for
Yxy(19.9500, 0.5041, 0.4239)
contains.

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Color

Yxy(20.0422, 0.5032, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	B26B17
RGB	178, 107, 23
RGB Percent	70%, 42%, 9%
CMY	0.3020, 0.5803, 0.9099
CMYK	0.00, 0.40, 0.87, 0.30
HSL	33°, 77%, 39%
HSV	33°, 87%, 70%
XYZ	23.7691, 20.0422, 3.4246
YIQ	118.6530, 69.2800, -11.0720

Conversions

Conversions Part 2

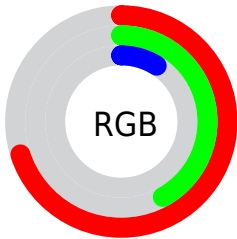
Format	Color
RYB	154, 178, 23
Decimal	11692823
CIELab	51.88, 22.41, 53.91
CIELCh	52, 58.382, 67.432
Yxy	20.0422, 0.5032, 0.4243
Android (android.graphics.Color)	4289882903 (0xFFB26B17)
YUV	118.6530, -47.1569, 52.0473
Hunter-Lab	44.7685, 16.4268, 26.8025

Details

The Yxy color **20.0422, 0.5032, 0.4243** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.3893, 0.1837, 0.1689**, and the grayscale version is **18.4677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6688, 0.4667, 0.4134**, and **7.1210, 0.5377, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **18.3728, 0.5225, 0.4205**, and if you desaturate by 10%, it is **21.9202, 0.4806, 0.4230**.

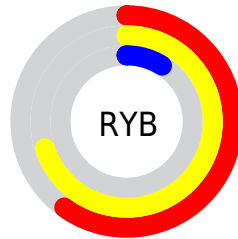
Distribution



Red (70%)

Green (42%)

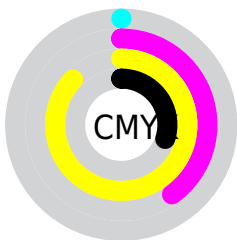
Blue (9%)



Red (60%)

Yellow (70%)

Blue (9%)

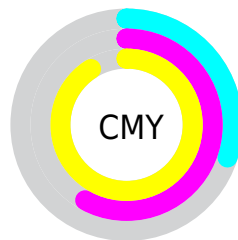


Cyan (0%)

Magenta (40%)

Yellow (87%)

Black (30%)



Cyan (30%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0422, 0.5032, 0.4243 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 20.0422, 0.5032, 0.4243 by changing the saturation by 10% instead.


 20.0422, 0.5032,
0.4243


 20.0422, 0.5032,
0.4243


252.1435, 0.4015,
0.3833


 12.4257, 0.5266,
0.4281


 43.4879, 0.4666,
0.4132


 7.0343, 0.5617,
0.4338


 60.0860, 0.4525,
0.4076


 3.4836, 0.5830,
0.4170

 80.4466, 0.4406,
0.4025

 1.3891, 0.6135,
0.3865

 104.9544, 0.4304,
0.3978

 0.2087, 0.7813,
0.2187

 133.9935, 0.4216,
0.3936

 0.0000, 0.0000,
0.0000

 167.9485, 0.4140,

0.3898

207.2037, 0.4073,
0.3864

20.0422, 0.5032,
0.4243

20.0422, 0.5032,
0.4243

18.3728, 0.5225,
0.4205

21.9202, 0.4806,
0.4230

17.9201, 0.5280,
0.4190

24.0176, 0.4558,
0.4169

26.3462, 0.4303,
0.4071

28.9158, 0.4054,
0.3947

31.7353, 0.3820,
0.3808

■ 34.8130, 0.3604,
0.3664

■ 38.1567, 0.3410,
0.3521

■ 41.7740, 0.3237,
0.3383

■ 45.6717, 0.3085,
0.3253

Harmonies

Analogous

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



20.0422, 0.5192, 0.3514



20.0422, 0.5032, 0.4243



20.0422, 0.4352, 0.4952

Triad

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



20.0422, 0.5032, 0.4243



20.0422, 0.1750, 0.3566



20.0422, 0.2527, 0.1886

Complementary

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



20.0422, 0.5032, 0.4243



11.3893, 0.1837, 0.1689

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.



20.0422, 0.1812, 0.1766



20.0422, 0.5032, 0.4243



20.0422, 0.1425, 0.2515

Square

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



20.0422, 0.5032, 0.4243



20.0422, 0.2467, 0.4781



20.0422, 0.1456, 0.1945



20.0422, 0.3571, 0.2262

Rectangle

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



20.0422, 0.5032, 0.4243



20.0422, 0.3746, 0.5263



20.0422, 0.1456, 0.1945



20.0422, 0.2247, 0.1816

Sweetspot

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



20.0432, 0.5032, 0.4243



63.5219, 0.3591, 0.3655



10.9062, 0.4762, 0.2504



13.6359, 0.3662, 0.3705



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.0432, 0.5032, 0.4243



32.0388, 0.5303, 0.4171



40.7583, 0.4109, 0.5035



9.2431, 0.3274, 0.3414



12.9520, 0.5264, 0.4202



0.5225, 0.4891, 0.4499

Inverse Universe

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



11.3893, 0.1837, 0.1689



16.1855, 0.1726, 0.1415



4.0740, 0.1595, 0.0736



8.8498, 0.2985, 0.3163



6.6858, 0.1740, 0.1465



0.3275, 0.1891, 0.2008

Previews

White Background



This preview shows how the Yxy color 20.0422, 0.5032, 0.4243 looks on a white background.

Color Contrast Check

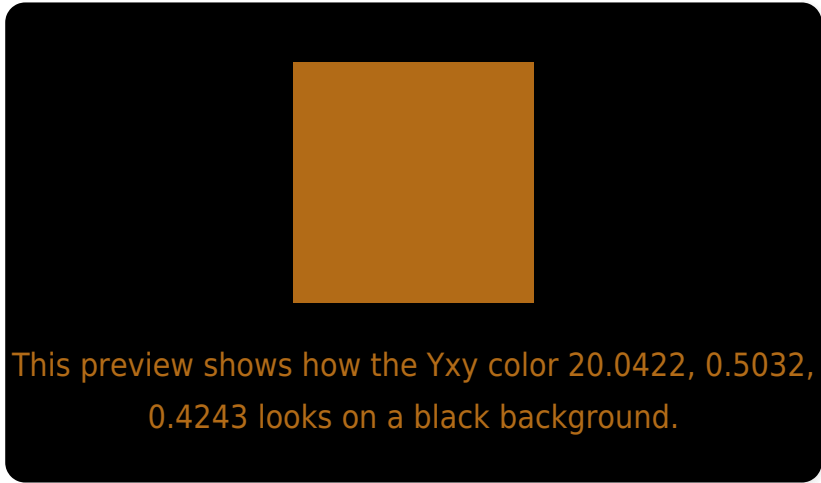
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

Yxy 20.0422, 0.5032, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 20.0422, 0.5032, 0.4243.



This preview shows how white text looks on a background with the Yxy color 20.0422, 0.5032, 0.4243.

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

20.0422, 0.5032, 0.4243

Protanopia

20.3265, 0.4295, 0.4756

Deuteranopia

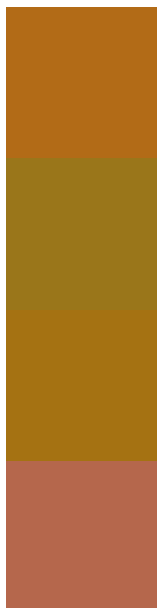
20.1595, 0.4663, 0.4593



Tritanopia

20.1210, 0.4205, 0.3193

Trichromacy



Original Color

20.0422, 0.5032, 0.4243

Protanomaly

19.9015, 0.4579, 0.4559

Deuteranomaly

20.0776, 0.4807, 0.4459

Tritanomaly

20.0461, 0.4614, 0.3669

Monochromacy



Original Color

20.0422, 0.5032, 0.4243

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4770, 0.3864, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0422, 0.5032, 0.4243 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(178, 107, 23)` looks like.

```
.text, #text, p{  
    color:rgb(178, 107, 23)  
}
```

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(178, 107, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 107, 23) }
```

Border

The CSS property to change the border of an element to Yxy 20.0422, 0.5032, 0.4243 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(178, 107, 23) }
```

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

```
.border{ border-color:rgb(178, 107, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 107, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 107, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 107, 23);  
box-shadow:4px 4px 4px 4px rgb(178, 107,  
23) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.0422, 0.5032, 0.4243$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 107, 23) }
```

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

```
.background{ background-color: rgb(178,  
107, 23) }
```

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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