

Converting Colors

$Y_{xy}(22.1910, 0.5032, 0.4219)$

Have a look what the booklet for
Yxy(22.1910, 0.5032, 0.4219)
contains.

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Color

Yxy(22.2323, 0.5030, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	BB701B
RGB	187, 112, 27
RGB Percent	73%, 44%, 11%
CMY	0.2668, 0.5607, 0.8941
CMYK	0.00, 0.40, 0.86, 0.27
HSL	32°, 75%, 42%
HSV	32°, 86%, 73%
XYZ	26.4808, 22.2323, 3.9326
YIQ	124.7350, 71.9850, -10.5350

Conversions

Conversions Part 2

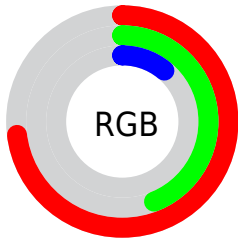
Format	Color
R_{YB}	168, 187, 27
Decimal	12283931
CIE _{Lab}	54.27, 23.66, 55.05
CIE _{LCh}	54, 59.920, 66.738
Yxy	22.2323, 0.5030, 0.4223
Android (android.graphics.Color)	4290474011 (0xFFBB701B)
YUV	124.7350, -48.1834, 54.6064
Hunter-Lab	47.1511, 17.7339, 28.0607

Details

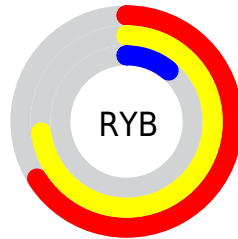
The Yxy color **22.2323, 0.5030, 0.4223** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **13.3144, 0.1857, 0.1745**, and the grayscale version is **20.5627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0866, 0.4672, 0.4117**, and **8.1442, 0.5385, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **20.3319, 0.5232, 0.4187**, and if you desaturate by 10%, it is **24.3780, 0.4794, 0.4206**.

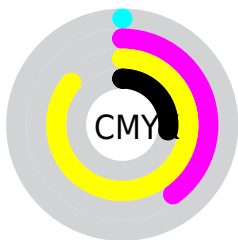
Distribution



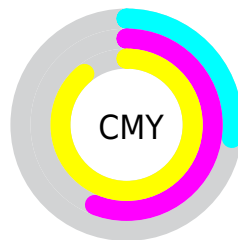
- Red (73%)
- Green (44%)
- Blue (11%)



- Red (66%)
- Yellow (73%)
- Blue (11%)



- Cyan (0%)
- Magenta (40%)
- Yellow (86%)
- Black (27%)





- Cyan (27%)
- Magenta (56%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2323, 0.5030, 0.4223 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 22.2323, 0.5030, 0.4223 by changing the saturation by 10% instead.


 22.2323, 0.5030,
0.4223


 22.2323, 0.5030,
0.4223


263.7570, 0.4028,
0.3830


 14.0277, 0.5258,
0.4259


 47.1296, 0.4672,
0.4118


 8.1399, 0.5563,
0.4288


 64.5912, 0.4534,
0.4065


 4.1846, 0.5824,
0.4176

 85.9071, 0.4416,
0.4016

 1.7774, 0.6104,
0.3896

 111.4619, 0.4315,
0.3971

 0.4730, 0.6876,
0.3124

 141.6398, 0.4228,
0.3931

 0.0000, 0.0000,
0.0000

 176.8254, 0.4153,

0.3894

217.4030, 0.4086,
0.3861

22.2323, 0.5030,
0.4223

22.2323, 0.5030,
0.4223

20.3319, 0.5232,
0.4187

24.3780, 0.4794,
0.4206

19.5548, 0.5316,
0.4161

26.7798, 0.4539,
0.4142

29.4513, 0.4279,
0.4041

32.4037, 0.4027,
0.3916

35.6473, 0.3791,
0.3779

■ 39.1916, 0.3576,
0.3637

■ 43.0458, 0.3384,
0.3496

■ 47.2184, 0.3213,
0.3362

■ 51.7176, 0.3063,
0.3235

Harmonies

Analogous

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



22.2323, 0.5171, 0.3499



22.2323, 0.5030, 0.4223



22.2323, 0.4365, 0.4928

Triad

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



22.2323, 0.5030, 0.4223



22.2323, 0.1772, 0.3594



22.2323, 0.2511, 0.1889

Complementary

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



22.2323, 0.5030, 0.4223



13.3144, 0.1857, 0.1745

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.



22.2323, 0.1809, 0.1777



22.2323, 0.5030, 0.4223



22.2323, 0.1439, 0.2541

Square

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



22.2323, 0.5030, 0.4223



22.2323, 0.2494, 0.4789



22.2323, 0.1462, 0.1963



22.2323, 0.3542, 0.2258

Rectangle

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



22.2323, 0.5030, 0.4223



22.2323, 0.3766, 0.5241



22.2323, 0.1462, 0.1963



22.2323, 0.2236, 0.1821

Sweetspot

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



22.2335, 0.5030, 0.4223



69.6439, 0.3594, 0.3649



12.3516, 0.4671, 0.2466



14.8403, 0.3667, 0.3699



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.2335, 0.5030, 0.4223



34.5546, 0.5338, 0.4143



45.8368, 0.4130, 0.5008



10.3532, 0.3275, 0.3412



13.6234, 0.5299, 0.4175



0.6635, 0.4966, 0.4439

Inverse Universe

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



13.3144, 0.1857, 0.1745



18.3494, 0.1735, 0.1445



4.6420, 0.1597, 0.0750



9.9425, 0.2984, 0.3165



7.3800, 0.1749, 0.1495



0.4201, 0.1876, 0.1952

Previews

White Background



This preview shows how the Yxy color 22.2323, 0.5030, 0.4223 looks on a white background.

Color Contrast Check

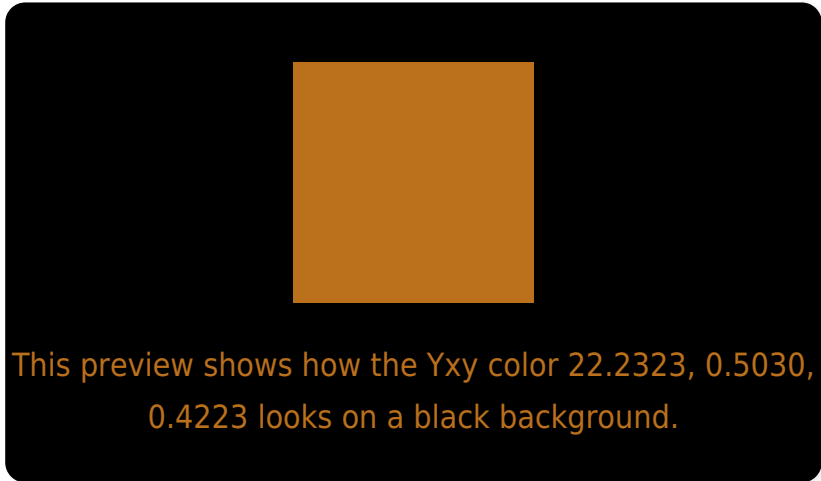
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2323, 0.5030, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 22.2323, 0.5030, 0.4223.



This preview shows how white text looks on a background with the Yxy color 22.2323, 0.5030, 0.4223.

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

22.2323, 0.5030, 0.4223

Protanopia

22.4479, 0.4276, 0.4745

Deuteranopia

22.3583, 0.4641, 0.4583



Tritanopia

22.1468, 0.4221, 0.3184

Trichromacy



Original Color

22.2323, 0.5030, 0.4223

Protanomaly

22.0861, 0.4560, 0.4549

Deuteranomaly

22.2655, 0.4777, 0.4453

Tritanomaly

22.0566, 0.4617, 0.3640

Monochromacy



Original Color

22.2323, 0.5030, 0.4223

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4501, 0.3876, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2323, 0.5030, 0.4223 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(187, 112, 27)` looks like.

```
.text, #text, p{  
    color:rgb(187, 112, 27)  
}
```

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(187, 112, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 112, 27) }
```

Border

The CSS property to change the border of an element to Yxy 22.2323, 0.5030, 0.4223 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(187, 112, 27) }
```

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

```
.border{ border-color:rgb(187, 112, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 112, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 112, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 112, 27);  
box-shadow:4px 4px 4px 4px rgb(187, 112,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2323, 0.5030, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 112, 27) }
```

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

```
.background{ background-color: rgb(187,  
112, 27) }
```

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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