

Converting Colors

$Y_{xy}(22.7685, 0.5048, 0.4311)$

Have a look what the booklet for
Yxy(22.7685, 0.5048, 0.4311)
contains.

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Color

Yxy(22.8553, 0.5043, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	BB730D
RGB	187, 115, 13
RGB Percent	73%, 45%, 5%
CMY	0.2666, 0.5490, 0.9486
CMYK	0.00, 0.39, 0.93, 0.27
HSL	35°, 87%, 39%
HSV	35°, 93%, 73%
XYZ	26.6989, 22.8553, 3.3883
YIQ	124.9000, 75.6540, -16.4580

Conversions

Conversions Part 2

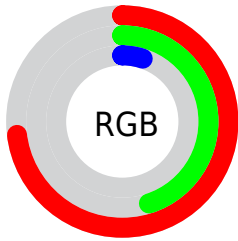
Format	Color
RYB	136, 187, 13
Decimal	12284685
CIELab	54.92, 21.76, 59.37
CIELCh	55, 63.233, 69.876
Yxy	22.8553, 0.5043, 0.4317
Android (android.graphics.Color)	4290474765 (0xFFBB730D)
YUV	124.9000, -55.1667, 54.4617
Hunter-Lab	47.8072, 16.0244, 29.2629

Details

The Yxy color **22.8553, 0.5043, 0.4317** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.1888, 0.1748, 0.1437**, and the grayscale version is **20.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0618, 0.4697, 0.4203**, and **8.4856, 0.5318, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **21.6261, 0.5158, 0.4286**, and if you desaturate by 10%, it is **24.7712, 0.4857, 0.4327**.

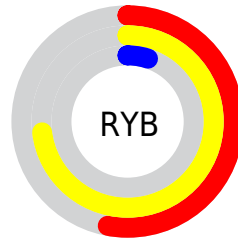
Distribution



Red (73%)

Green (45%)

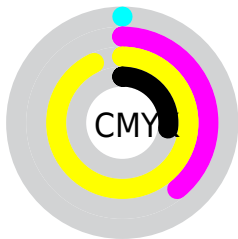
Blue (5%)



Red (53%)

Yellow (73%)

Blue (5%)

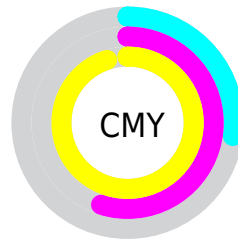


Cyan (0%)

Magenta (39%)

Yellow (93%)

Black (27%)



Cyan (27%)


Magenta (55%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8553, 0.5043, 0.4317 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 22.8553, 0.5043, 0.4317 by changing the saturation by 10% instead.


 22.8553, 0.5043,
0.4317


 22.8553, 0.5043,
0.4317


266.9809, 0.4055,
0.3889


 14.4867, 0.5255,
0.4355


 48.1556, 0.4699,
0.4204


 8.4599, 0.5562,
0.4407


 65.8561, 0.4563,
0.4147


 4.3906, 0.5740,
0.4260

 87.4361, 0.4446,
0.4093

 1.8944, 0.5994,
0.4006

 113.2798, 0.4345,
0.4044

 0.5450, 0.6618,
0.3382


 143.7718, 0.4258,
0.3999


 0.0000, 0.0000,
0.0000

 179.2964, 0.4182,

0.3959

 220.2379, 0.4114,
0.3922


 22.8553, 0.5043,
0.4317


 22.8553, 0.5043,
0.4317

 21.6261, 0.5158,
0.4286

 24.7712, 0.4857,
0.4327

 26.8954, 0.4642,
0.4286

 29.2409, 0.4409,
0.4200

 31.8182, 0.4171,
0.4080

 34.6367, 0.3939,
0.3939

■ 37.7049, 0.3720,
0.3787

■ 41.0311, 0.3518,
0.3631

■ 44.6226, 0.3336,
0.3478

■ 48.4869, 0.3172,
0.3332

Harmonies

Analogous

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



22.8553, 0.5274, 0.3566



22.8553, 0.5043, 0.4317



22.8553, 0.4304, 0.5047

Triad

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



22.8553, 0.5043, 0.4317



22.8553, 0.1663, 0.3466



22.8553, 0.2582, 0.1870

Complementary

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



22.8553, 0.5043, 0.4317



10.1888, 0.1748, 0.1437

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.



22.8553, 0.1819, 0.1724



22.8553, 0.5043, 0.4317



22.8553, 0.1368, 0.2418

Square

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



22.8553, 0.5043, 0.4317



22.8553, 0.2365, 0.4757



22.8553, 0.1429, 0.1876



22.8553, 0.3680, 0.2274

Rectangle

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



22.8553, 0.5043, 0.4317



22.8553, 0.3671, 0.5351



22.8553, 0.1429, 0.1876



22.8553, 0.2284, 0.1791

Sweetspot

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



22.8565, 0.5043, 0.4317



70.1702, 0.3626, 0.3716



11.5211, 0.5117, 0.2643



14.8952, 0.3716, 0.3783



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.



22.8565, 0.5043, 0.4317



38.2506, 0.5177, 0.4271



44.4024, 0.4044, 0.5134



10.4401, 0.3274, 0.3424



15.0443, 0.5143, 0.4298



0.7155, 0.4858, 0.4524

Inverse Universe

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



10.1888, 0.1748, 0.1437



15.5991, 0.1688, 0.1275



4.1198, 0.1571, 0.0675



9.8569, 0.2984, 0.3152



6.3061, 0.1702, 0.1325



0.3763, 0.1836, 0.1810

Previews

White Background



This preview shows how the Yxy color 22.8553, 0.5043, 0.4317 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



This preview shows how the Yxy color 22.8553, 0.5043, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

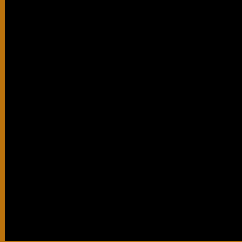
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8553, 0.5043, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 22.8553, 0.5043, 0.4317.



This preview shows how white text looks on a background with the Yxy color 22.8553, 0.5043, 0.4317.

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

22.8553, 0.5043, 0.4317

Protanopia

22.9391, 0.4357, 0.4814

Deuteranopia

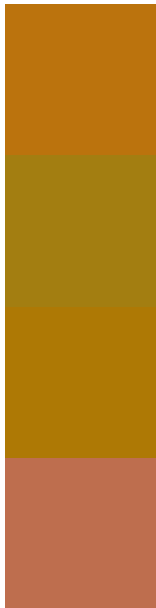
22.8827, 0.4716, 0.4637



Tritanopia

22.8296, 0.4160, 0.3183

Trichromacy



Original Color

22.8553, 0.5043, 0.4317

Protanomaly

22.7487, 0.4612, 0.4629

Deuteranomaly

22.6844, 0.4840, 0.4515

Tritanomaly

22.6491, 0.4626, 0.3717

Monochromacy



Original Color

22.8553, 0.5043, 0.4317

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6107, 0.3931, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8553, 0.5043, 0.4317 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, 115, 13)` looks like.

```
.text, #text, p{  
    color:rgb(187, 115, 13)  
}
```

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, 115, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 115, 13) }
```

Border

The CSS property to change the border of an element to Yxy 22.8553, 0.5043, 0.4317 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, 115, 13) }
```

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

```
.border{ border-color:rgb(187, 115, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 115, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 115, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 115, 13);  
box-shadow:4px 4px 4px 4px rgb(187, 115,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8553, 0.5043, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 115, 13) }
```

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

```
.background{ background-color: rgb(187,  
115, 13) }
```

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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