

Converting Colors

$Y_{xy}(22.3266, 0.5073, 0.4271)$

Have a look what the booklet for
Yxy(22.3266, 0.5073, 0.4271)
contains.

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Color

Yxy(22.1936, 0.5074, 0.4268)

Conversions

Conversions Part 1

Format	Color
Hex	BB7011
RGB	187, 112, 17
RGB Percent	73%, 44%, 7%
CMY	0.2668, 0.5607, 0.9335
CMYK	0.00, 0.40, 0.91, 0.27
HSL	34°, 83%, 40%
HSV	34°, 91%, 73%
XYZ	26.3848, 22.1936, 3.4216
YIQ	123.5950, 75.1950, -13.6450

Conversions

Conversions Part 2

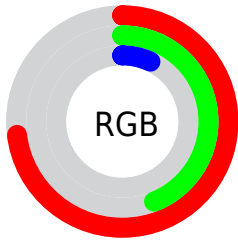
Format	Color
RYB	151, 187, 17
Decimal	12283921
CIELab	54.23, 23.44, 57.98
CIElCh	54, 62.537, 67.982
Yxy	22.1936, 0.5074, 0.4268
Android (android.graphics.Color)	4290474001 (0xFFBB7011)
YUV	123.5950, -52.5513, 55.6062
Hunter-Lab	47.1101, 17.5293, 28.6708

Details

The Yxy color **22.1936, 0.5074, 0.4268** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.3461, 0.1786, 0.1557**, and the grayscale version is **20.1731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9884, 0.4718, 0.4168**, and **8.2560, 0.5363, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **20.5720, 0.5236, 0.4225**, and if you desaturate by 10%, it is **24.1834, 0.4868, 0.4273**.

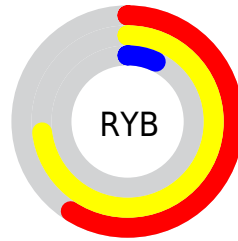
Distribution



Red (73%)

Green (44%)

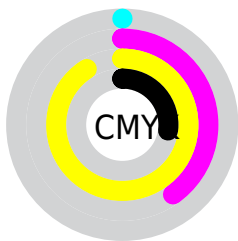
Blue (7%)



Red (59%)

Yellow (73%)

Blue (7%)

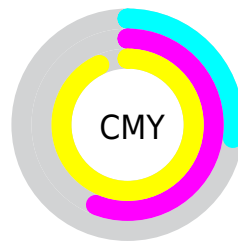


Cyan (0%)

Magenta (40%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1936, 0.5074, 0.4268 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 22.1936, 0.5074, 0.4268 by changing the saturation by 10% instead.


 22.1936, 0.5074,
0.4268


 22.1936, 0.5074,
0.4268


263.5556, 0.4060,
0.3864


 13.9992, 0.5297,
0.4300


 47.0658, 0.4717,
0.4164

 8.1201, 0.5619,
0.4342


 64.5123, 0.4577,
0.4110


 4.1719, 0.5817,
0.4183

 85.8118, 0.4458,
0.4059


 1.7702, 0.6096,
0.3904

 111.3485, 0.4355,
0.4012


 0.4685, 0.6874,
0.3126


 141.5068, 0.4266,
0.3970


 0.0000, 0.0000,
0.0000


 176.6712, 0.4188,


0.3931

 217.2260, 0.4120,
0.3896

 22.1936, 0.5074,
0.4268


 22.1936, 0.5074,
0.4268

 20.5720, 0.5236,
0.4225

 24.1834, 0.4868,
0.4273

 26.4024, 0.4635,
0.4227

 28.8640, 0.4388,
0.4139

 31.5791, 0.4141,
0.4020

 34.5578, 0.3904,
0.3881

■ 37.8090, 0.3683,
0.3734

■ 41.3415, 0.3482,
0.3585

■ 45.1633, 0.3301,
0.3441

■ 49.2822, 0.3141,
0.3302

Harmonies

Analogous

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



22.1936, 0.5262, 0.3521



22.1936, 0.5074, 0.4268



22.1936, 0.4359, 0.5005

Triad

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



22.1936, 0.5074, 0.4268



22.1936, 0.1697, 0.3548



22.1936, 0.2523, 0.1854

Complementary

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



22.1936, 0.5074, 0.4268



11.3461, 0.1786, 0.1557

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.



22.1936, 0.1786, 0.1726



22.1936, 0.5074, 0.4268



22.1936, 0.1377, 0.2469

Square

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



22.1936, 0.5074, 0.4268



22.1936, 0.2423, 0.4823



22.1936, 0.1417, 0.1898



22.1936, 0.3605, 0.2242

Rectangle

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



22.1936, 0.5074, 0.4268



22.1936, 0.3733, 0.5333



22.1936, 0.1417, 0.1898



22.1936, 0.2234, 0.1781

Sweetspot

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



22.1948, 0.5074, 0.4268



69.8857, 0.3610, 0.3682



11.7604, 0.4933, 0.2557



14.9248, 0.3681, 0.3733



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.



22.1948, 0.5074, 0.4268



36.3735, 0.5256, 0.4208



45.0935, 0.4094, 0.5081



10.3972, 0.3275, 0.3418



14.3237, 0.5220, 0.4238



0.6894, 0.4911, 0.4483

Inverse Universe

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



11.3461, 0.1786, 0.1557



16.9009, 0.1710, 0.1357



4.1991, 0.1568, 0.0687



9.8990, 0.2984, 0.3158



6.8156, 0.1724, 0.1407



0.3974, 0.1855, 0.1879

Previews

White Background



This preview shows how the Yxy color 22.1936, 0.5074, 0.4268 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 22.1936, 0.5074, 0.4268 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 22.1936, 0.5074, 0.4268

Background



This preview shows how black text looks on a background with the Yxy color 22.1936, 0.5074, 0.4268.



This preview shows how white text looks on a background with the Yxy color 22.1936, 0.5074, 0.4268.

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

22.1936, 0.5074, 0.4268

Protanopia

22.4975, 0.4331, 0.4799

Deuteranopia

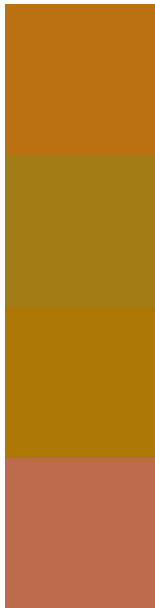
22.1653, 0.4723, 0.4632



Tritanopia

22.1468, 0.4221, 0.3184

Trichromacy



Original Color

22.1936, 0.5074, 0.4268

Protanomaly

22.1508, 0.4614, 0.4595

Deuteranomaly

22.0910, 0.4857, 0.4496

Tritanomaly

21.9984, 0.4667, 0.3689

Monochromacy



Original Color

22.1936, 0.5074, 0.4268

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2919, 0.3912, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1936, 0.5074, 0.4268 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 112, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 112, 17) }
```

Border

The CSS property to change the border of an element to Yxy 22.1936, 0.5074, 0.4268 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, 17) }
```

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

```
.border{ border-color:rgb(187, 112, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 112, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 112, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 112,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1936, 0.5074, 0.4268 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, 17) }
```

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

```
.background{ background-color: rgb(187,  
112, 17) }
```

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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