

Converting Colors

$Y_{xy}(22.2874, 0.5145, 0.4234)$

Have a look what the booklet for
Yxy(22.2874, 0.5145, 0.4234)
contains.

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Color

$\text{Yxy}(22.2573, 0.5155, 0.4228)$

Conversions

Conversions Part 1

Format	Color
Hex	BF6E0D
RGB	191, 110, 13
RGB Percent	75%, 43%, 5%
CMY	0.2509, 0.5686, 0.9488
CMYK	0.00, 0.42, 0.93, 0.25
HSL	33°, 87%, 40%
HSV	33°, 93%, 75%
XYZ	27.1373, 22.2573, 3.2480
YIQ	123.1610, 79.4130, -12.9950

Conversions

Conversions Part 2

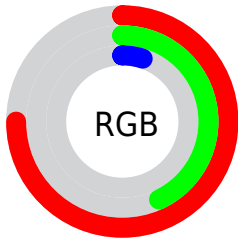
Format	Color
RYB	162, 191, 13
Decimal	12545549
CIELab	54.30, 26.23, 59.18
CIElCh	54, 64.729, 66.097
Yxy	22.2573, 0.5155, 0.4228
Android (android.graphics.Color)	4290735629 (0xFFBF6E0D)
YUV	123.1610, -54.3094, 59.4948
Hunter-Lab	47.1776, 20.1149, 28.9424

Details

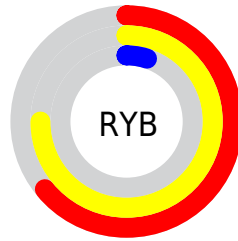
The Yxy color **22.2573, 0.5155, 0.4228** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.8652, 0.1779, 0.1555**, and the grayscale version is **20.0289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1782, 0.4789, 0.4141**, and **8.1628, 0.5464, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **20.9901, 0.5279, 0.4190**, and if you desaturate by 10%, it is **24.3038, 0.4950, 0.4249**.

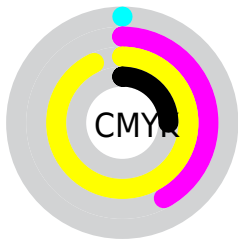
Distribution



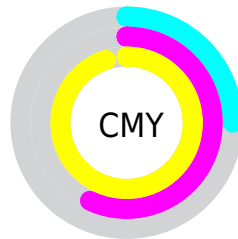
- Red (75%)
- Green (43%)
- Blue (5%)



- Red (64%)
- Yellow (75%)
- Blue (5%)



- Cyan (0%)
- Magenta (42%)
- Yellow (93%)
- Black (25%)




- Cyan (25%)
- Magenta (57%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2573, 0.5155, 0.4228 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 22.2573, 0.5155, 0.4228 by changing the saturation by 10% instead.


 22.2573, 0.5155,
0.4228


 22.2573, 0.5155,
0.4228


263.8870, 0.4102,
0.3859


 14.0461, 0.5385,
0.4246


 47.1709, 0.4786,
0.4140


 8.1527, 0.5724,
0.4276


 64.6421, 0.4640,
0.4092

 4.1928, 0.5917,
0.4083

 85.9687, 0.4516,
0.4045

 1.7820, 0.6220,
0.3780

 111.5351, 0.4409,
0.4001

 0.4759, 0.7015,
0.2985

 141.7257, 0.4316,
0.3960

 0.0000, 1.0000,
0.0000

 176.9250, 0.4236,

 0.0000, 0.0000,

0.3923

0.0000

217.5173, 0.4164,
0.3890

22.2573, 0.5155,
0.4228

22.2573, 0.5155,
0.4228

20.9901, 0.5279,
0.4190

24.3038, 0.4950,
0.4249

26.5986, 0.4715,
0.4218

29.1568, 0.4463,
0.4141

31.9906, 0.4209,
0.4031

35.1111, 0.3964,
0.3899

■ 38.5286, 0.3736,
0.3757

■ 42.2526, 0.3527,
0.3611

■ 46.2923, 0.3341,
0.3468

■ 50.6561, 0.3175,
0.3332

Harmonies

Analogous

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



22.2573, 0.5316, 0.3469



22.2573, 0.5155, 0.4228



22.2573, 0.4437, 0.5001

Triad

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



22.2573, 0.5155, 0.4228



22.2573, 0.1689, 0.3637



22.2573, 0.2444, 0.1802

Complementary

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



22.2573, 0.5155, 0.4228



11.8652, 0.1779, 0.1555

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.



22.2573, 0.1716, 0.1688



22.2573, 0.5155, 0.4228



22.2573, 0.1342, 0.2492

Square

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



22.2573, 0.5155, 0.4228



22.2573, 0.2453, 0.4952



22.2573, 0.1363, 0.1882



22.2573, 0.3542, 0.2182

Rectangle

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



22.2573, 0.5155, 0.4228



22.2573, 0.3800, 0.5375



22.2573, 0.1363, 0.1882



22.2573, 0.2156, 0.1733

Sweetspot

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



22.2585, 0.5155, 0.4228



72.0759, 0.3635, 0.3688



12.2136, 0.4931, 0.2536



15.2004, 0.3728, 0.3751



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



22.2585, 0.5155, 0.4228



37.0951, 0.5300, 0.4174



47.6210, 0.4126, 0.5072



10.3743, 0.3275, 0.3415



13.9550, 0.5261, 0.4205



0.6759, 0.4939, 0.4460

Inverse Universe

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



11.8652, 0.1779, 0.1555



18.4591, 0.1722, 0.1400



4.1896, 0.1544, 0.0659



9.9216, 0.2984, 0.3162



7.1034, 0.1737, 0.1452



0.4090, 0.1866, 0.1917

Previews

White Background



This preview shows how the Yxy color 22.2573, 0.5155, 0.4228 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 22.2573, 0.5155, 0.4228 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 22.2573, 0.5155, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 22.2573, 0.5155, 0.4228.



This preview shows how white text looks on a background with the Yxy color 22.2573, 0.5155, 0.4228.

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

22.2573, 0.5155, 0.4228

Protanopia

22.4862, 0.4342, 0.4816

Deuteranopia

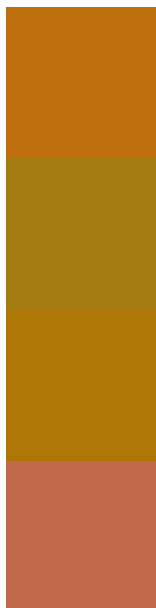
22.4146, 0.4708, 0.4644



Tritanopia

22.2306, 0.4311, 0.3187

Trichromacy



Original Color

22.2573, 0.5155, 0.4228

Protanomaly

21.9929, 0.4655, 0.4593

Deuteranomaly

22.2033, 0.4870, 0.4491

Tritanomaly

22.0805, 0.4757, 0.3676

Monochromacy



Original Color

22.2573, 0.5155, 0.4228

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8773, 0.3965, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2573, 0.5155, 0.4228 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(191, 110, 13)` looks like.

```
.text, #text, p{  
    color:rgb(191, 110, 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(191, 110, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 110, 13) }
```

Border

The CSS property to change the border of an element to Yxy 22.2573, 0.5155, 0.4228 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(191, 110, 13) }
```

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

```
.border{ border-color:rgb(191, 110, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 110, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 110, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 110, 13);  
box-shadow:4px 4px 4px 4px rgb(191, 110,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2573, 0.5155, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 110, 13) }
```

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

```
.background{ background-color: rgb(191,  
110, 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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