

Converting Colors

$Y_{xy}(23.2400, 0.5104, 0.4290)$

Have a look what the booklet for
Yxy(23.2400, 0.5104, 0.4290)
contains.

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Color

Yxy(23.1307, 0.5107, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	BF7209
RGB	191, 114, 9
RGB Percent	75%, 45%, 4%
CMY	0.2509, 0.5530, 0.9648
CMYK	0.00, 0.40, 0.95, 0.25
HSL	35°, 91%, 39%
HSV	35°, 95%, 75%
XYZ	27.5550, 23.1307, 3.2697
YIQ	125.0530, 79.5970, -16.3310

Conversions

Conversions Part 2

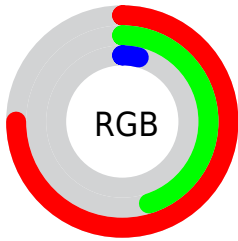
Format	Color
R_{YB}	142, 191, 9
Decimal	12546569
CIE _{Lab}	55.21, 24.00, 60.61
CIE _{LCh}	55, 65.183, 68.400
Yxy	23.1307, 0.5107, 0.4287
Android (android.graphics.Color)	4290736649 (0xFFBF7209)
YUV	125.0530, -57.2141, 57.8355
Hunter-Lab	48.0944, 18.1041, 29.6352

Details

The Yxy color **23.1307, 0.5107, 0.4287** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.4733, 0.1737, 0.1416**, and the grayscale version is **20.7029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5973, 0.4758, 0.4185**, and **8.6059, 0.5377, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **22.2739, 0.5186, 0.4264**, and if you desaturate by 10%, it is **25.1007, 0.4925, 0.4312**.

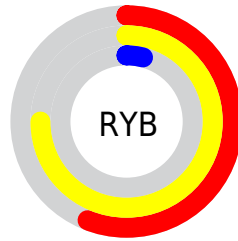
Distribution



Red (75%)

Green (45%)

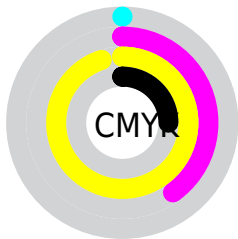
Blue (4%)



Red (56%)

Yellow (75%)

Blue (4%)

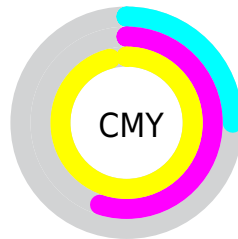


Cyan (0%)

Magenta (40%)

Yellow (95%)

Black (25%)



Cyan (25%)


Magenta (55%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1307, 0.5107, 0.4287 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 23.1307, 0.5107, 0.4287 by changing the saturation by 10% instead.


 23.1307, 0.5107,
0.4287


 23.1307, 0.5107,
0.4287


268.3956, 0.4090,
0.3887


 14.6900, 0.5324,
0.4314


 48.6078, 0.4754,
0.4187


 8.6021, 0.5642,
0.4355


 66.4131, 0.4614,
0.4134


 4.4826, 0.5816,
0.4184

 88.1087, 0.4494,
0.4084

 1.9470, 0.6087,
0.3913

 114.0791, 0.4390,
0.4037

 0.5764, 0.6697,
0.3303

 144.7085, 0.4300,
0.3994

 0.0000, 1.0000,
0.0000


 180.3815, 0.4221,


 0.0000, 0.0000,


0.3955

0.0000


 221.4824, 0.4152,
0.3919


 23.1307, 0.5107,
0.4287


 23.1307, 0.5107,
0.4287


 22.2739, 0.5186,
0.4264

 25.1007, 0.4925,
0.4312

 27.2926, 0.4711,
0.4285

 29.7209, 0.4477,
0.4210

 32.3972, 0.4235,
0.4099

 35.3318, 0.3998,
0.3964

■ 38.5343, 0.3773,
0.3815

■ 42.0134, 0.3565,
0.3662

■ 45.7776, 0.3377,
0.3510

■ 49.8345, 0.3209,
0.3364

Harmonies

Analogous

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



23.1307, 0.5318, 0.3526



23.1307, 0.5107, 0.4287



23.1307, 0.4365, 0.5047

Triad

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



23.1307, 0.5107, 0.4287



23.1307, 0.1655, 0.3533



23.1307, 0.2520, 0.1828

Complementary

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



23.1307, 0.5107, 0.4287



10.4733, 0.1737, 0.1416

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.



23.1307, 0.1764, 0.1693



23.1307, 0.5107, 0.4287



23.1307, 0.1339, 0.2433

Square

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



23.1307, 0.5107, 0.4287



23.1307, 0.2387, 0.4858



23.1307, 0.1386, 0.1861



23.1307, 0.3633, 0.2226

Rectangle

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



23.1307, 0.5107, 0.4287



23.1307, 0.3722, 0.5390



23.1307, 0.1386, 0.1861



23.1307, 0.2223, 0.1752

Sweetspot

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



23.1319, 0.5107, 0.4287



72.5847, 0.3649, 0.3726



11.9751, 0.5119, 0.2626



15.3543, 0.3740, 0.3792



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.



23.1319, 0.5107, 0.4287



39.3945, 0.5205, 0.4249



46.8565, 0.4073, 0.5124



10.4257, 0.3274, 0.3422



14.7980, 0.5169, 0.4278



0.7066, 0.4876, 0.4511

Inverse Universe

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



10.4733, 0.1737, 0.1416



16.7679, 0.1695, 0.1300



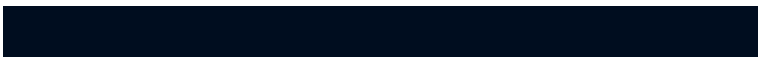
4.1175, 0.1545, 0.0648



9.8710, 0.2984, 0.3154



6.4728, 0.1709, 0.1352



0.3833, 0.1843, 0.1833

Previews

White Background



This preview shows how the Yxy color 23.1307, 0.5107, 0.4287 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 23.1307, 0.5107, 0.4287 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 23.1307, 0.5107, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 23.1307, 0.5107, 0.4287.



This preview shows how white text looks on a background with the Yxy color 23.1307, 0.5107, 0.4287.

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

23.1307, 0.5107, 0.4287

Protanopia

23.2996, 0.4363, 0.4826

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.1251, 0.4229, 0.3186

Trichromacy



Original Color

23.1307, 0.5107, 0.4287

Protanomaly

22.9527, 0.4645, 0.4624

Deuteranomaly

23.1557, 0.4852, 0.4516

Tritanomaly

22.9284, 0.4705, 0.3717

Monochromacy



Original Color

23.1307, 0.5107, 0.4287

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6888, 0.3956, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1307, 0.5107, 0.4287 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, 114, 9)` looks like.

```
.text, #text, p{  
    color:rgb(191, 114, 9)  
}
```

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, 114, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 114, 9) }
```

Border

The CSS property to change the border of an element to Yxy 23.1307, 0.5107, 0.4287 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, 114, 9) }
```

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

```
.border{ border-color:rgb(191, 114, 9) }
```

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

Here you see how a box with a 4 pixel rgb(191, 114, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 114, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 114, 9);  
box-shadow:4px 4px 4px 4px rgb(191, 114,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1307, 0.5107, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 114, 9) }
```

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

```
.background{ background-color: rgb(191,  
114, 9) }
```

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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