

Converting Colors

$Y_{xy}(23.2071, 0.4755, 0.4351)$

Have a look what the booklet for
Yxy(23.2071, 0.4755, 0.4351)
contains.

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Color

Yxy(23.1432, 0.4756, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	B17923
RGB	177, 121, 35
RGB Percent	69%, 47%, 14%
CMY	0.3058, 0.5255, 0.8628
CMYK	0.00, 0.32, 0.80, 0.31
HSL	36°, 67%, 42%
HSV	36°, 80%, 69%
XYZ	25.2742, 23.1432, 4.7243
YIQ	127.9400, 60.9820, -14.8740

Conversions

Conversions Part 2

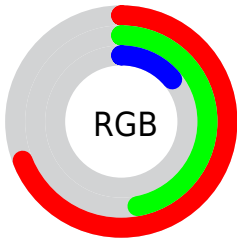
Format	Color
RYB	127, 177, 35
Decimal	11630883
CIELab	55.22, 14.55, 52.51
CIElCh	55, 54.491, 74.518
Yxy	23.1432, 0.4756, 0.4355
Android (android.graphics.Color)	4289820963 (0xFFB17923)
YUV	127.9400, -45.8194, 43.0256
Hunter-Lab	48.1074, 9.5907, 27.8527

Details

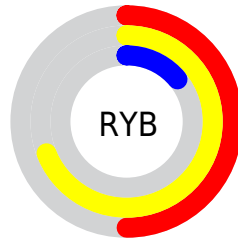
The Yxy color **23.1432, 0.4756, 0.4355** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.0151, 0.1861, 0.1657**, and the grayscale version is **21.7111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5798, 0.4453, 0.4194**, and **8.6870, 0.5039, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **21.4286, 0.4942, 0.4366**, and if you desaturate by 10%, it is **25.0360, 0.4544, 0.4295**.

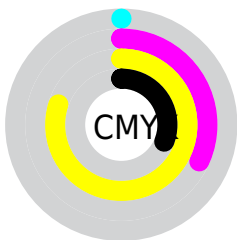
Distribution



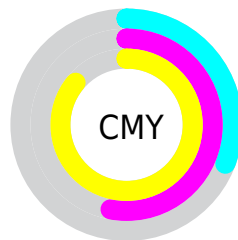
- Red (69%)
- Green (47%)
- Blue (14%)



- Red (50%)
- Yellow (69%)
- Blue (14%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)
- Black (31%)



- Cyan (31%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1432, 0.4756, 0.4355 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 23.1432, 0.4756, 0.4355 by changing the saturation by 10% instead.


 23.1432, 0.4756,
0.4355


 23.1432, 0.4756,
0.4355


268.4596, 0.3901,
0.3857


 14.6993, 0.4952,
0.4435


 48.6284, 0.4450,
0.4199


 8.6086, 0.5190,
0.4509


 66.4384, 0.4332,
0.4131


 4.4868, 0.5462,
0.4538

 88.1392, 0.4232,
0.4071

 1.9494, 0.5639,
0.4361

 114.1153, 0.4146,
0.4017

 0.5778, 0.6105,
0.3895

 144.7510, 0.4072,
0.3970

 0.0000, 0.0000,
0.0000

 180.4307, 0.4008,

0.3928

221.5388, 0.3951,
0.3891

■ 23.1432, 0.4756,
0.4355

■ 23.1432, 0.4756,
0.4355

■ 21.4286, 0.4942,
0.4366

■ 25.0360, 0.4544,
0.4295

■ 19.9052, 0.5098,
0.4334

■ 27.1131, 0.4317,
0.4194

■ 29.3838, 0.4088,
0.4063

■ 31.8560, 0.3866,
0.3914

■ 34.5365, 0.3656,
0.3756

■ 37.4320, 0.3463,
0.3597

■ 40.5486, 0.3287,
0.3441

■ 43.8921, 0.3131,
0.3293

■ 47.4683, 0.2991,
0.3154

Harmonies

Analogous

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



23.1432, 0.5006, 0.3683



23.1432, 0.4756, 0.4355



23.1432, 0.4082, 0.4923

Triad

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



23.1432, 0.4756, 0.4355



23.1432, 0.1779, 0.3296



23.1432, 0.2795, 0.2068

Complementary

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



23.1432, 0.4756, 0.4355



11.0151, 0.1861, 0.1657

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.



23.1432, 0.2057, 0.1900



23.1432, 0.4756, 0.4355



23.1432, 0.1549, 0.2446

Square

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



23.1432, 0.4756, 0.4355



23.1432, 0.2367, 0.4372



23.1432, 0.1647, 0.2004



23.1432, 0.3769, 0.2469

Rectangle

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



23.1432, 0.4756, 0.4355



23.1432, 0.3511, 0.5077



23.1432, 0.1647, 0.2004



23.1432, 0.2514, 0.1984

Sweetspot

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



23.1444, 0.4756, 0.4355



64.8156, 0.3541, 0.3663



11.3194, 0.4787, 0.2623



13.6584, 0.3609, 0.3719



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.1444, 0.4756, 0.4355



36.2872, 0.5057, 0.4340



39.3367, 0.3988, 0.5045



9.3328, 0.3273, 0.3428



14.5408, 0.5085, 0.4344



0.5674, 0.4776, 0.4589

Inverse Universe

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



11.0151, 0.1861, 0.1657



14.1237, 0.1701, 0.1297



5.0342, 0.1725, 0.0885



8.7617, 0.2985, 0.3148



5.5677, 0.1687, 0.1272



0.2907, 0.1848, 0.1852

Previews

White Background



This preview shows how the Yxy color 23.1432, 0.4756, 0.4355 looks on a white background.

Color Contrast Check

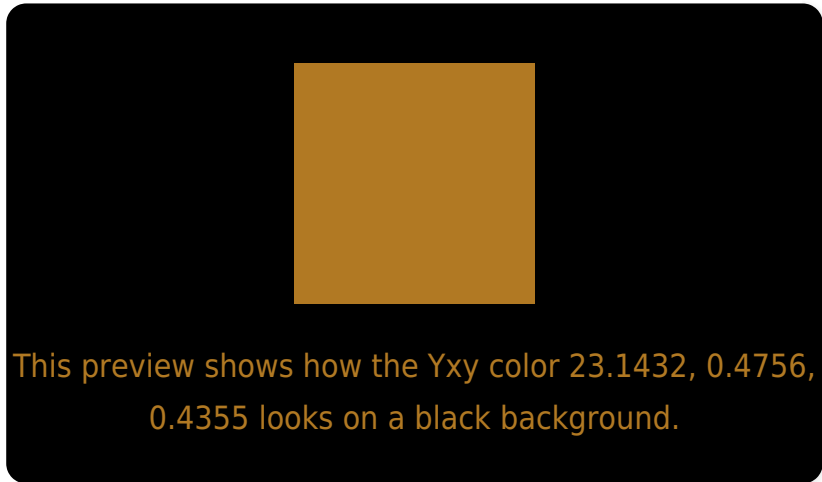
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1432, 0.4756, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 23.1432, 0.4756, 0.4355.



This preview shows how white text looks on a background with the Yxy color 23.1432, 0.4756, 0.4355.

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

23.1432, 0.4756, 0.4355

Protanopia

23.3046, 0.4256, 0.4693

Deuteranopia

23.2470, 0.4588, 0.4505



Tritanopia

23.1358, 0.3934, 0.3177

Trichromacy



Original Color

23.1432, 0.4756, 0.4355

Protanomaly

23.2050, 0.4432, 0.4574

Deuteranomaly

23.1887, 0.4654, 0.4443

Tritanomaly

22.9323, 0.4304, 0.3668

Monochromacy



Original Color

23.1432, 0.4756, 0.4355

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.5864, 0.3758, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1432, 0.4756, 0.4355 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(177, 121, 35)` looks like.

```
.text, #text, p{  
    color:rgb(177, 121, 35)  
}
```

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(177, 121, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 121, 35) }
```

Border

The CSS property to change the border of an element to Yxy 23.1432, 0.4756, 0.4355 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(177, 121, 35) }
```

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

```
.border{ border-color:rgb(177, 121, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 121, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 121, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 121, 35);  
box-shadow:4px 4px 4px 4px rgb(177, 121,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1432, 0.4756, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 121, 35) }
```

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

```
.background{ background-color: rgb(177,  
121, 35) }
```

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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