

Converting Colors

$Y_{xy}(24.0988, 0.4618, 0.4493)$

Have a look what the booklet for
Yxy(24.0988, 0.4618, 0.4493)
contains.

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Color

Yxy(23.9465, 0.4621, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	AB7F21
RGB	171, 127, 33
RGB Percent	67%, 50%, 13%
CMY	0.3293, 0.5020, 0.8706
CMYK	0.00, 0.26, 0.81, 0.33
HSL	41°, 68%, 40%
HSV	41°, 81%, 67%
XYZ	24.6616, 23.9465, 4.7605
YIQ	129.4400, 56.3980, -19.9060

Conversions

Conversions Part 2

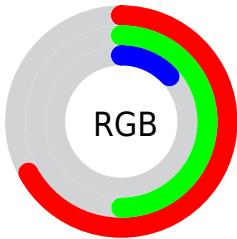
Format	Color
RYB	98, 171, 33
Decimal	11239201
CIELab	56.03, 8.42, 53.74
CIELCh	56, 54.394, 81.100
Yxy	23.9465, 0.4621, 0.4487
Android (android.graphics.Color)	4289429281 (0xFFAB7F21)
YUV	129.4400, -47.5449, 36.4481
Hunter-Lab	48.9352, 4.3213, 28.4868

Details

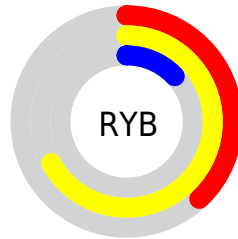
The Yxy color **23.9465, 0.4621, 0.4487** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5744, 0.1807, 0.1457**, and the grayscale version is **22.2719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7351, 0.4351, 0.4291**, and **9.0262, 0.4851, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **22.5040, 0.4771, 0.4512**, and if you desaturate by 10%, it is **25.5164, 0.4444, 0.4414**.

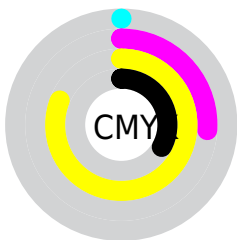
Distribution



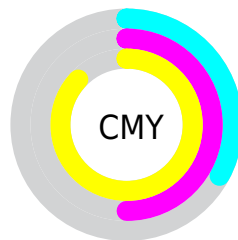
- Red (67%)
- Green (50%)
- Blue (13%)



- Red (38%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (26%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9465, 0.4621, 0.4487 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 23.9465, 0.4621, 0.4487 by changing the saturation by 10% instead.


 23.9465, 0.4621,
0.4487


 23.9465, 0.4621,
0.4487


272.5499, 0.3850,
0.3908


 15.2939, 0.4791,
0.4593


 49.9429, 0.4350,
0.4297


 9.0259, 0.4992,
0.4703


 68.0555, 0.4244,
0.4218

 4.7581, 0.5213,
0.4787

 90.0902, 0.4153,
0.4149

 2.1060, 0.5316,
0.4684

 116.4315, 0.4075,
0.4088

 0.6680, 0.5571,
0.4429

 147.4637, 0.4007,
0.4034

 0.0000, 0.0000,
0.0000

 183.5713, 0.3948,

0.3987

225.1385, 0.3896,
0.3945

■ 23.9465, 0.4621,
0.4487

■ 23.9465, 0.4621,
0.4487

■ 22.5040, 0.4771,
0.4512

■ 25.5164, 0.4444,
0.4414

■ 21.2602, 0.4889,
0.4500

■ 27.2177, 0.4249,
0.4301

■ 29.0582, 0.4046,
0.4156

■ 31.0440, 0.3843,
0.3992

■ 33.1805, 0.3647,
0.3818

■ 35.4727, 0.3463,
0.3641

■ 37.9253, 0.3293,
0.3468

■ 40.5429, 0.3138,
0.3301

■ 43.3296, 0.2998,
0.3145

Harmonies

Analogous

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



23.9465, 0.4977, 0.3829



23.9465, 0.4621, 0.4487



23.9465, 0.3895, 0.4983

Triad

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



23.9465, 0.4621, 0.4487



23.9465, 0.1714, 0.3081



23.9465, 0.2998, 0.2150

Complementary

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



23.9465, 0.4621, 0.4487



8.5744, 0.1807, 0.1457

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.



23.9465, 0.2202, 0.1929



23.9465, 0.4621, 0.4487



23.9465, 0.1560, 0.2328

Square

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



23.9465, 0.4621, 0.4487



23.9465, 0.2221, 0.4133



23.9465, 0.1724, 0.1970



23.9465, 0.3975, 0.2591

Rectangle

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



23.9465, 0.4621, 0.4487



23.9465, 0.3316, 0.5036



23.9465, 0.1724, 0.1970



23.9465, 0.2701, 0.2049

Sweetspot

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



23.9477, 0.4621, 0.4487



61.9551, 0.3530, 0.3707



10.3121, 0.5006, 0.2752



13.4999, 0.3594, 0.3768



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.9477, 0.4621, 0.4487



38.3730, 0.4869, 0.4497



35.5403, 0.3895, 0.5116



8.8928, 0.3270, 0.3444



16.1210, 0.4881, 0.4507



0.5413, 0.4628, 0.4708

Inverse Universe

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



8.5744, 0.1807, 0.1457



10.3807, 0.1638, 0.1078



4.8691, 0.1785, 0.0912



8.1587, 0.2986, 0.3131



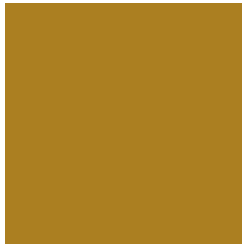
4.3293, 0.1631, 0.1070



0.2206, 0.1808, 0.1707

Previews

White Background



This preview shows how the Yxy color 23.9465, 0.4621, 0.4487 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 23.9465, 0.4621, 0.4487 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 23.9465, 0.4621, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 23.9465, 0.4621, 0.4487.



This preview shows how white text looks on a background with the Yxy color 23.9465, 0.4621, 0.4487.

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

23.9465, 0.4621, 0.4487

Protanopia

24.0286, 0.4274, 0.4726

Deuteranopia

23.9832, 0.4585, 0.4515



Tritanopia

23.8363, 0.3769, 0.3159

Trichromacy



Original Color

23.9465, 0.4621, 0.4487

Protanomaly

23.8871, 0.4400, 0.4642

Deuteranomaly

24.0942, 0.4596, 0.4507

Tritanomaly

23.5790, 0.4167, 0.3708

Monochromacy



Original Color

23.9465, 0.4621, 0.4487

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1758, 0.3716, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9465, 0.4621, 0.4487 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(171, 127, 33)` looks like.

```
.text, #text, p{  
    color:rgb(171, 127, 33)  
}
```

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(171, 127, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 127, 33) }
```

Border

The CSS property to change the border of an element to Yxy 23.9465, 0.4621, 0.4487 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(171, 127, 33) }
```

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

```
.border{ border-color:rgb(171, 127, 33) }
```

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

Here you see how a box with a 4 pixel rgb(171, 127, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 127, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 127, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 127,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9465, 0.4621, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 127, 33) }
```

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

```
.background{ background-color: rgb(171,  
127, 33) }
```

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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