

Converting Colors

$Y_{xy}(23.8311, 0.4070, 0.4559)$

Have a look what the booklet for
Yxy(23.8311, 0.4070, 0.4559)
contains.

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Color

Yxy(23.7245, 0.4071, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	928738
RGB	146, 135, 56
RGB Percent	57%, 53%, 22%
CMY	0.4274, 0.4706, 0.7805
CMYK	0.00, 0.08, 0.62, 0.43
HSL	53°, 45%, 40%
HSV	53°, 62%, 57%
XYZ	21.2316, 23.7245, 7.1971
YIQ	129.2830, 31.9150, -22.2370

Conversions

Conversions Part 2

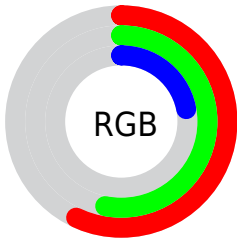
Format	Color
R_{YB}	69, 146, 56
Decimal	9602872
CIE _{Lab}	55.81, -6.15, 42.95
CIE _{LCh}	56, 43.385, 98.151
Yxy	23.7245, 0.4071, 0.4549
Android (android.graphics.Color)	4287792952 (0xFF928738)
YUV	129.2830, -36.1285, 14.6608
Hunter-Lab	48.7078, -7.4311, 25.3347

Details

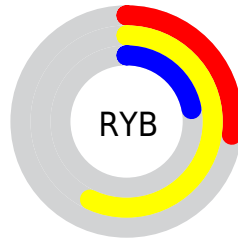
The Yxy color **23.7245, 0.4071, 0.4549** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.9254, 0.2014, 0.1581**, and the grayscale version is **22.1779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5636, 0.3896, 0.4297**, and **8.9871, 0.4310, 0.4933** is the 20% darker color. If you saturate the color by 10%, you get **23.1095, 0.4195, 0.4688**, and if you desaturate by 10%, it is **24.3917, 0.3929, 0.4377**.

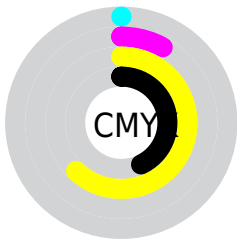
Distribution



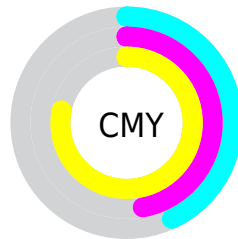
- Red (57%)
- Green (53%)
- Blue (22%)



- Red (27%)
- Yellow (57%)
- Blue (22%)



- Cyan (0%)
- Magenta (8%)
- Yellow (62%)
- Black (43%)



- Cyan (43%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7245, 0.4071, 0.4549 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 23.7245, 0.4071, 0.4549 by changing the saturation by 10% instead.


 23.7245, 0.4071,
0.4549

 23.7245, 0.4071,
0.4549


 271.4247, 0.3580,
0.3869


 15.1294, 0.4184,
0.4722


 49.5802, 0.3895,
0.4295

 8.9102, 0.4313,
0.4935


 67.6097, 0.3828,
0.4201


 4.6827, 0.4556,
0.5320

 89.5526, 0.3770,
0.4122

 2.0623, 0.4530,
0.5470

 115.7936, 0.3721,
0.4056

 0.6433, 0.4176,
0.5824

 146.7168, 0.3679,
0.3999

 0.0000, 0.0000,
0.0000

 182.7069, 0.3642,

0.3949

224.1480, 0.3609,
0.3906

■ 23.7245, 0.4071,
0.4549

■ 23.7245, 0.4071,
0.4549

■ 23.1095, 0.4195,
0.4688

■ 24.3917, 0.3929,
0.4377

■ 22.5396, 0.4297,
0.4788

■ 25.1111, 0.3775,
0.4181

■ 22.0115, 0.4372,
0.4846

■ 25.8869, 0.3615,
0.3970

■ 21.5934, 0.4421,
0.4872

■ 26.7218, 0.3455,
0.3752

■ 27.6182, 0.3299,
0.3535

■ 28.5787, 0.3151,
0.3324

■ 29.6055, 0.3012,
0.3123

■ 30.7006, 0.2883,
0.2934

■ 31.8662, 0.2765,
0.2759

Harmonies

Analogous

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



23.7245, 0.4534, 0.4096



23.7245, 0.4071, 0.4549



23.7245, 0.3387, 0.4677

Triad

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



23.7245, 0.4071, 0.4549



23.7245, 0.1845, 0.2755



23.7245, 0.3478, 0.2535

Complementary

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



23.7245, 0.4071, 0.4549



6.9254, 0.2014, 0.1581

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.



23.7245, 0.2722, 0.2233



23.7245, 0.4071, 0.4549



23.7245, 0.1863, 0.2302

Square

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



23.7245, 0.4071, 0.4549



23.7245, 0.2118, 0.3489



23.7245, 0.2160, 0.2142



23.7245, 0.4205, 0.2996

Rectangle

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



23.7245, 0.4071, 0.4549



23.7245, 0.2902, 0.4465



23.7245, 0.2160, 0.2142



23.7245, 0.3215, 0.2413

Sweetspot

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



23.7256, 0.4071, 0.4549



47.4896, 0.3419, 0.3702



9.3534, 0.4742, 0.3099



10.4769, 0.3459, 0.3758



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.7256, 0.4071, 0.4549



40.3719, 0.4237, 0.4732



24.3538, 0.3585, 0.4905



6.6250, 0.3262, 0.3483



19.0231, 0.4420, 0.4873



0.2602, 0.4296, 0.4971

Inverse Universe

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



6.9254, 0.2014, 0.1581



8.2260, 0.1781, 0.1183



7.0234, 0.2344, 0.1536



5.7404, 0.2989, 0.3090



2.2217, 0.1532, 0.0715



0.0494, 0.1662, 0.1183

Previews

White Background



This preview shows how the Yxy color 23.7245, 0.4071, 0.4549 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 23.7245, 0.4071, 0.4549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

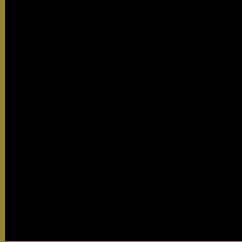
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.7245, 0.4071, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 23.7245, 0.4071, 0.4549.



This preview shows how white text looks on a background with the Yxy color 23.7245, 0.4071, 0.4549.

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

23.7245, 0.4071, 0.4549

Protanopia

23.7253, 0.4118, 0.4516

Deuteranopia

23.5912, 0.4381, 0.4293



Tritanopia

23.7572, 0.3325, 0.3129

Trichromacy



Original Color

23.7245, 0.4071, 0.4549

Protanomaly

23.6316, 0.4105, 0.4522

Deuteranomaly

23.6316, 0.4273, 0.4387

Tritanomaly

23.5320, 0.3618, 0.3660

Monochromacy



Original Color

23.7245, 0.4071, 0.4549

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3428, 0.3496, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7245, 0.4071, 0.4549 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(146, 135, 56)` looks like.

```
.text, #text, p{  
    color:rgb(146, 135, 56)  
}
```

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(146, 135, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 135, 56) }
```

Border

The CSS property to change the border of an element to Yxy 23.7245, 0.4071, 0.4549 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(146, 135, 56) }
```

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

```
.border{ border-color:rgb(146, 135, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 135, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 135, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 135, 56);  
box-shadow:4px 4px 4px 4px rgb(146, 135,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7245, 0.4071, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 135, 56) }
```

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

```
.background{ background-color: rgb(146,  
135, 56) }
```

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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