

Converting Colors

$Y_{xy}(22.8170, 0.4576, 0.4033)$

Have a look what the booklet for
Yxy(22.8170, 0.4576, 0.4033)
contains.

Yxy(22.9107, 0.4576, 0.4033)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9107, 0.4576, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	B37640
RGB	179, 118, 64
RGB Percent	70%, 46%, 25%
CMY	0.2980, 0.5372, 0.7490
CMYK	0.00, 0.34, 0.64, 0.30
HSL	28°, 47%, 48%
HSV	28°, 64%, 70%
XYZ	25.9954, 22.9107, 7.9020
YIQ	130.0830, 53.6900, -3.8620

Conversions

Conversions Part 2

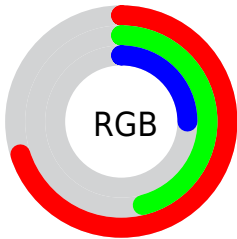
Format	Color
R_{YB}	179, 166, 64
Decimal	11761216
CIE _{Lab}	54.98, 18.61, 38.96
CIE _{LCh}	55, 43.171, 64.470
Yxy	22.9107, 0.4576, 0.4033
Android (android.graphics.Color)	4289951296 (0xFFB37640)
YUV	130.0830, -32.5789, 42.9002
Hunter-Lab	47.8651, 13.1788, 23.7175

Details

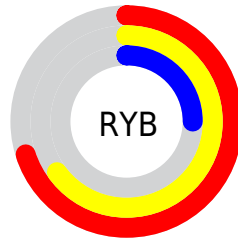
The Yxy color **22.9107, 0.4576, 0.4033** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0128, 0.2145, 0.2319**, and the grayscale version is **22.4579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1415, 0.4274, 0.3906**, and **8.4312, 0.5059, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **20.6148, 0.4862, 0.4090**, and if you desaturate by 10%, it is **25.4995, 0.4292, 0.3942**.

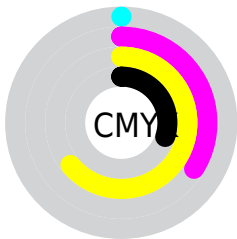
Distribution



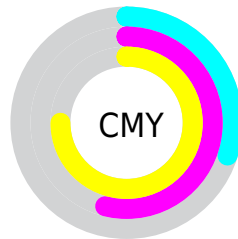
- Red (70%)
- Green (46%)
- Blue (25%)



- Red (70%)
- Yellow (65%)
- Blue (25%)



- Cyan (0%)
- Magenta (34%)
- Yellow (64%)
- Black (30%)





- Cyan (30%)
- Magenta (54%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9107, 0.4576, 0.4033 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 22.9107, 0.4576, 0.4033 by changing the saturation by 10% instead.


 22.9107, 0.4576,
0.4033


 22.9107, 0.4576,
0.4033


267.2660, 0.3782,
0.3676


 14.5276, 0.4785,
0.4101


 48.2467, 0.4276,
0.3914


 8.4885, 0.5052,
0.4165


 65.9683, 0.4166,
0.3866


 4.4091, 0.5465,
0.4257

 87.5715, 0.4074,
0.3823


 1.9049, 0.5843,
0.4157

 113.4408, 0.3997,
0.3786

 0.5513, 0.6413,
0.3587

 143.9605, 0.3932,
0.3753

 0.0000, 0.0000,
0.0000

 179.5150, 0.3875,

0.3724

220.4887, 0.3825,
0.3698

■ 22.9107, 0.4576,
0.4033

■ 22.9107, 0.4576,
0.4033

■ 20.6148, 0.4862,
0.4090

■ 25.4995, 0.4292,
0.3942

■ 18.5951, 0.5132,
0.4102

■ 28.3897, 0.4024,
0.3830

■ 16.8380, 0.5368,
0.4060

■ 31.5937, 0.3777,
0.3706

■ 15.9336, 0.5493,
0.4021

■ 35.1217, 0.3557,
0.3580

■ 38.9839, 0.3362,
0.3456

■ 43.1895, 0.3192,
0.3338

■ 47.7475, 0.3045,
0.3227

■ 52.6666, 0.2917,
0.3124

■ 57.9551, 0.2805,
0.3030

Harmonies

Analogous

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



22.9107, 0.4590, 0.3472



22.9107, 0.4576, 0.4033



22.9107, 0.4149, 0.4512

Triad

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



22.9107, 0.4576, 0.4033



22.9107, 0.2166, 0.3592



22.9107, 0.2637, 0.2203

Complementary

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



22.9107, 0.4576, 0.4033



19.0128, 0.2145, 0.2319

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.



22.9107, 0.2103, 0.2141



22.9107, 0.4576, 0.4033



22.9107, 0.1855, 0.2828

Square

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



22.9107, 0.4576, 0.4033



22.9107, 0.2752, 0.4356



22.9107, 0.1839, 0.2335



22.9107, 0.3382, 0.2484

Rectangle

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



22.9107, 0.4576, 0.4033



22.9107, 0.3718, 0.4686



22.9107, 0.1839, 0.2335



22.9107, 0.2430, 0.2156

Sweetspot

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



22.9119, 0.4576, 0.4033



66.2291, 0.3458, 0.3519



14.7403, 0.4026, 0.2458



14.2448, 0.3514, 0.3554



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.9119, 0.4576, 0.4033



35.3934, 0.4974, 0.4101



40.6820, 0.4036, 0.4707



9.1413, 0.3276, 0.3397



11.3867, 0.5474, 0.4036



0.4754, 0.5028, 0.4390

Inverse Universe

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



19.0128, 0.2145, 0.2319



27.8228, 0.1978, 0.2063



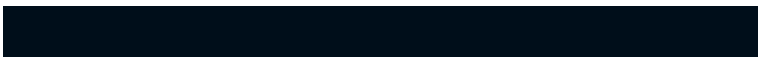
8.4587, 0.1911, 0.1313



8.9515, 0.2985, 0.3180



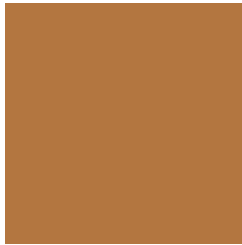
8.2082, 0.1807, 0.1704



0.3738, 0.1941, 0.2188

Previews

White Background



This preview shows how the Yxy color 22.9107, 0.4576, 0.4033 looks on a white background.

Color Contrast Check

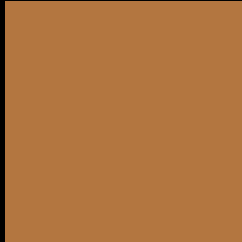
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9107, 0.4576, 0.4033 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 22.9107, 0.4576, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 22.9107, 0.4576, 0.4033.



This preview shows how white text looks on a background with the Yxy color 22.9107, 0.4576, 0.4033.

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

22.9107, 0.4576, 0.4033

Protanopia

23.0432, 0.3982, 0.4333

Deuteranopia

23.0560, 0.4319, 0.4249



Tritanopia

23.0117, 0.3965, 0.3177

Trichromacy



Original Color

22.9107, 0.4576, 0.4033

Protanomaly

22.8531, 0.4198, 0.4226

Deuteranomaly

22.9598, 0.4414, 0.4163

Tritanomaly

22.8998, 0.4213, 0.3495

Monochromacy



Original Color

22.9107, 0.4576, 0.4033

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2582, 0.3634, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9107, 0.4576, 0.4033 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(179, 118, 64)` looks like.

```
.text, #text, p{  
    color:rgb(179, 118, 64)  
}
```

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(179, 118, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 118, 64) }
```

Border

The CSS property to change the border of an element to Yxy 22.9107, 0.4576, 0.4033 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(179, 118, 64) }
```

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

```
.border{ border-color:rgb(179, 118, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 118, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 118, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 118, 64);  
box-shadow:4px 4px 4px 4px rgb(179, 118,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9107, 0.4576, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 118, 64) }
```

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

```
.background{ background-color: rgb(179,  
118, 64) }
```

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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