

Converting Colors

$Y_{xy}(21.2593, 0.4735, 0.3925)$

Have a look what the booklet for
Yxy(21.2593, 0.4735, 0.3925)
contains.

Yxy(21.2302, 0.4732, 0.3920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2302, 0.4732, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	B66D3E
RGB	182, 109, 62
RGB Percent	71%, 43%, 24%
CMY	0.2863, 0.5725, 0.7570
CMYK	0.00, 0.40, 0.66, 0.29
HSL	24°, 49%, 48%
HSV	24°, 66%, 71%
XYZ	25.6279, 21.2302, 7.3006
YIQ	125.4690, 58.5950, 0.8590

Conversions

Conversions Part 2

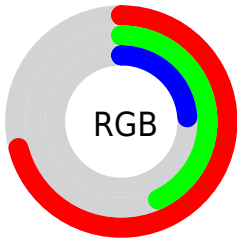
Format	Color
RYB	182, 139, 62
Decimal	11955518
CIELab	53.20, 24.74, 38.06
CIELCh	53, 45.395, 56.974
Yxy	21.2302, 0.4732, 0.3920
Android (android.graphics.Color)	4290145598 (0xFFB66D3E)
YUV	125.4690, -31.2902, 49.5777
Hunter-Lab	46.0762, 18.6494, 22.8591

Details

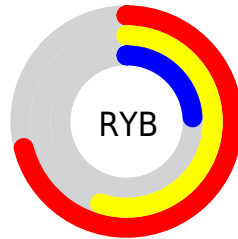
The Yxy color **21.2302, 0.4732, 0.3920** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.7164, 0.2163, 0.2461**, and the grayscale version is **20.7677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5147, 0.4396, 0.3831**, and **7.5513, 0.5285, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **18.8492, 0.5055, 0.3953**, and if you desaturate by 10%, it is **23.9776, 0.4413, 0.3852**.

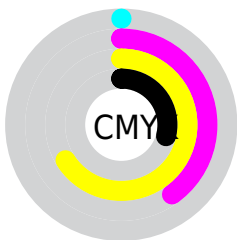
Distribution



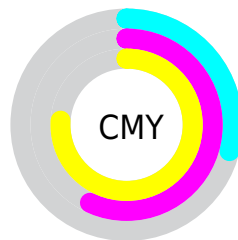
- Red (71%)
- Green (43%)
- Blue (24%)



- Red (71%)
- Yellow (55%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (66%)
- Black (29%)




- Cyan (29%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2302, 0.4732, 0.3920 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 21.2302, 0.4732, 0.3920 by changing the saturation by 10% instead.


 21.2302, 0.4732,
0.3920


 21.2302, 0.4732,
0.3920


258.4994, 0.3840,
0.3633


 13.2924, 0.4972,
0.3963


 45.4703, 0.4391,
0.3831

 7.6302, 0.5281,
0.3991


 62.5414, 0.4267,
0.3792


 3.8592, 0.5804,
0.4053

 83.4258, 0.4165,
0.3757

 1.5951, 0.6195,
0.3805

 108.5077, 0.4079,
0.3726

 0.3543, 0.7272,
0.2728

 138.1716, 0.4005,
0.3699

 0.0000, 0.0000,
0.0000

 172.8019, 0.3942,

0.3674

212.7831, 0.3888,
0.3652

■ 21.2302, 0.4732,
0.3920

■ 21.2302, 0.4732,
0.3920

■ 18.8492, 0.5055,
0.3953

■ 23.9776, 0.4413,
0.3852

■ 16.8134, 0.5359,
0.3940

■ 27.1045, 0.4114,
0.3761

■ 15.1031, 0.5619,
0.3875

■ 30.6275, 0.3844,
0.3658

■ 14.4921, 0.5717,
0.3842

■ 34.5607, 0.3606,
0.3552

■ 38.9178, 0.3399,
0.3447

■ 43.7115, 0.3221,
0.3347

■ 48.9543, 0.3068,
0.3253

■ 54.6579, 0.2937,
0.3166

■ 60.8335, 0.2825,
0.3086

Harmonies

Analogous

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



21.2302, 0.4627, 0.3324



21.2302, 0.4732, 0.3920



21.2302, 0.4360, 0.4478

Triad

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



21.2302, 0.4732, 0.3920



21.2302, 0.2226, 0.3840



21.2302, 0.2432, 0.2094

Complementary

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



21.2302, 0.4732, 0.3920



21.7164, 0.2163, 0.2461

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.



21.2302, 0.1937, 0.2088



21.2302, 0.4732, 0.3920



21.2302, 0.1822, 0.2968

Square

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



21.2302, 0.4732, 0.3920



21.2302, 0.2904, 0.4601



21.2302, 0.1732, 0.2363



21.2302, 0.3185, 0.2337

Rectangle

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



21.2302, 0.4732, 0.3920



21.2302, 0.3931, 0.4740



21.2302, 0.1732, 0.2363



21.2302, 0.2235, 0.2064

Sweetspot

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



21.2313, 0.4732, 0.3920



66.9980, 0.3486, 0.3493



15.1639, 0.3887, 0.2315



14.3126, 0.3545, 0.3522



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.2313, 0.4732, 0.3920



32.4807, 0.5192, 0.3954



38.2938, 0.4136, 0.4636



9.5741, 0.3278, 0.3380



10.3564, 0.5697, 0.3859



0.4868, 0.5221, 0.4237

Inverse Universe

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



21.7164, 0.2163, 0.2461



33.2495, 0.2014, 0.2244



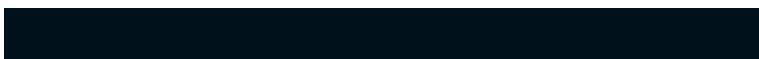
9.5660, 0.1914, 0.1407



9.6037, 0.2985, 0.3198



10.4956, 0.1881, 0.1970



0.4867, 0.1986, 0.2349

Previews

White Background



This preview shows how the Yxy color 21.2302, 0.4732, 0.3920 looks on a white background.

Color Contrast Check

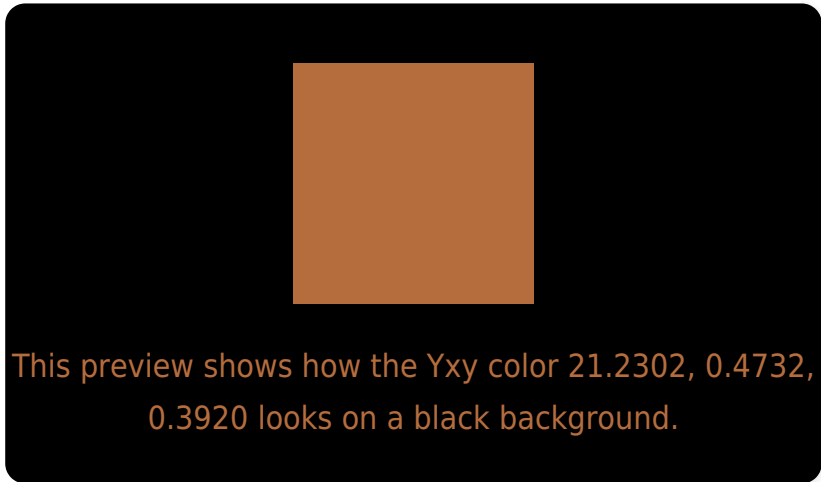
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2302, 0.4732, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 21.2302, 0.4732, 0.3920.



This preview shows how white text looks on a background with the Yxy color 21.2302, 0.4732, 0.3920.

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

21.2302, 0.4732, 0.3920

Protanopia

21.4311, 0.3949, 0.4322

Deuteranopia

21.2596, 0.4338, 0.4245



Tritanopia

21.1625, 0.4166, 0.3180

Trichromacy



Original Color

21.2302, 0.4732, 0.3920

Protanomaly

21.0367, 0.4228, 0.4169

Deuteranomaly

21.2643, 0.4485, 0.4126

Tritanomaly

21.0838, 0.4400, 0.3463

Monochromacy



Original Color

21.2302, 0.4732, 0.3920

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2640, 0.3690, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2302, 0.4732, 0.3920 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(182, 109, 62)` looks like.

```
.text, #text, p{  
  color:rgb(182, 109, 62)  
}
```

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(182, 109, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 109, 62) }
```

Border

The CSS property to change the border of an element to Yxy 21.2302, 0.4732, 0.3920 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(182, 109, 62) }
```

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

```
.border{ border-color:rgb(182, 109, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 109, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 109, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 109, 62);  
box-shadow:4px 4px 4px 4px rgb(182, 109,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2302, 0.4732, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 109, 62) }
```

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

```
.background{ background-color: rgb(182,  
109, 62) }
```

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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