

Converting Colors

$Y_{xy}(22.7773, 0.4737, 0.4165)$

Have a look what the booklet for
Yxy(22.7773, 0.4737, 0.4165)
contains.

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Color

Yxy(22.7766, 0.4742, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	B57532
RGB	181, 117, 50
RGB Percent	71%, 46%, 20%
CMY	0.2902, 0.5412, 0.8038
CMYK	0.00, 0.35, 0.72, 0.29
HSL	31°, 57%, 45%
HSV	31°, 72%, 71%
XYZ	25.9944, 22.7766, 6.0464
YIQ	128.4980, 59.6510, -7.2690

Conversions

Conversions Part 2

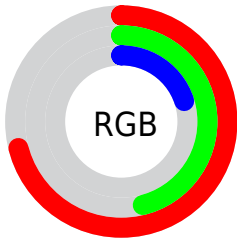
Format	Color
R_{YB}	175, 181, 50
Decimal	11892018
CIE Lab	54.84, 19.20, 45.84
CIE LCh	55, 49.696, 67.272
Yxy	22.7766, 0.4742, 0.4155
Android (android.graphics.Color)	4290082098 (0xFFB57532)
YUV	128.4980, -38.6995, 46.0443
Hunter-Lab	47.7248, 13.7055, 25.8958

Details

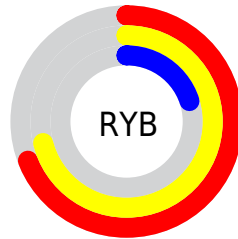
The Yxy color **22.7766, 0.4742, 0.4155** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.0559, 0.2017, 0.2066**, and the grayscale version is **21.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9968, 0.4423, 0.4023**, and **8.3452, 0.5208, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **20.6864, 0.4996, 0.4185**, and if you desaturate by 10%, it is **25.1256, 0.4475, 0.4082**.

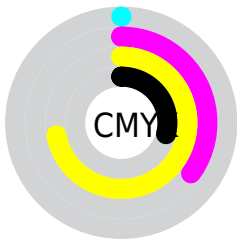
Distribution



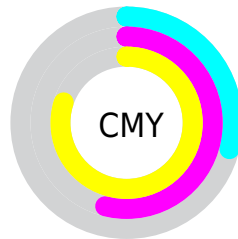
- Red (71%)
- Green (46%)
- Blue (20%)



- Red (69%)
- Yellow (71%)
- Blue (20%)



- Cyan (0%)
- Magenta (35%)
- Yellow (72%)
- Black (29%)



- Cyan (29%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7766, 0.4742, 0.4155 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 22.7766, 0.4742, 0.4155 by changing the saturation by 10% instead.


 22.7766, 0.4742,
0.4155

 22.7766, 0.4742,
0.4155


266.5755, 0.3871,
0.3753


 14.4286, 0.4959,
0.4221


 48.0262, 0.4420,
0.4028


 8.4194, 0.5223,
0.4272


 65.6967, 0.4299,
0.3973


 4.3645, 0.5646,
0.4354

 87.2435, 0.4198,
0.3925

 1.8795, 0.5876,
0.4124

 113.0509, 0.4113,
0.3882

 0.5360, 0.6478,
0.3522

 143.5035, 0.4039,
0.3844

 0.0000, 0.0000,
0.0000

 178.9855, 0.3976,

0.3810

219.8813, 0.3920,
0.3780

■ 22.7766, 0.4742,
0.4155

■ 22.7766, 0.4742,
0.4155

■ 20.6864, 0.4996,
0.4185

■ 25.1256, 0.4475,
0.4082

■ 18.8385, 0.5220,
0.4162

■ 27.7417, 0.4209,
0.3976

■ 17.5756, 0.5372,
0.4117

■ 30.6366, 0.3957,
0.3851

■ 33.8202, 0.3724,
0.3717

■ 37.3019, 0.3514,
0.3580

■ 41.0903, 0.3327,
0.3446

■ 45.1938, 0.3163,
0.3319

■ 49.6204, 0.3019,
0.3200

■ 54.3777, 0.2894,
0.3089

Harmonies

Analogous

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



22.7766, 0.4830, 0.3527



22.7766, 0.4742, 0.4155



22.7766, 0.4204, 0.4708

Triad

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



22.7766, 0.4742, 0.4155



22.7766, 0.1983, 0.3538



22.7766, 0.2633, 0.2089

Complementary

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



22.7766, 0.4742, 0.4155



16.0559, 0.2017, 0.2066

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.



22.7766, 0.2012, 0.1992



22.7766, 0.4742, 0.4155



22.7766, 0.1678, 0.2677

Square

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



22.7766, 0.4742, 0.4155



22.7766, 0.2610, 0.4474



22.7766, 0.1695, 0.2167



22.7766, 0.3498, 0.2419

Rectangle

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



22.7766, 0.4742, 0.4155



22.7766, 0.3699, 0.4910



22.7766, 0.1695, 0.2167



22.7766, 0.2393, 0.2029

Sweetspot

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



22.7778, 0.4742, 0.4155



66.8002, 0.3514, 0.3580



13.3573, 0.4287, 0.2455



14.0686, 0.3567, 0.3616



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.



22.7778, 0.4742, 0.4155



34.9811, 0.5137, 0.4177



43.1046, 0.4077, 0.4860



9.1997, 0.3275, 0.3407



12.2548, 0.5353, 0.4132



0.5019, 0.4948, 0.4453

Inverse Universe

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



16.0559, 0.2017, 0.2066



22.2856, 0.1848, 0.1753



6.2984, 0.1757, 0.1025



8.8928, 0.2985, 0.3171



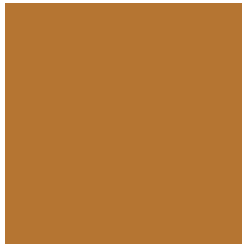
7.3000, 0.1768, 0.1564



0.3466, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 22.7766, 0.4742, 0.4155 looks on a white background.

Color Contrast Check

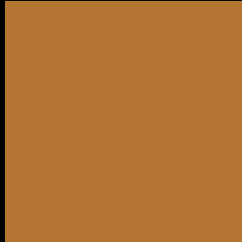
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7766, 0.4742, 0.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

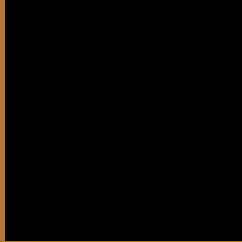
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7766, 0.4742, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 22.7766, 0.4742, 0.4155.



This preview shows how white text looks on a background with the Yxy color 22.7766, 0.4742, 0.4155.

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

22.7766, 0.4742, 0.4155

Protanopia

22.9719, 0.4129, 0.4527

Deuteranopia

22.7731, 0.4464, 0.4386



Tritanopia

22.7742, 0.4027, 0.3179

Trichromacy



Original Color

22.7766, 0.4742, 0.4155

Protanomaly

22.8067, 0.4339, 0.4393

Deuteranomaly

22.6869, 0.4563, 0.4297

Tritanomaly

22.7909, 0.4338, 0.3576

Monochromacy



Original Color

22.7766, 0.4742, 0.4155

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8832, 0.3712, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7766, 0.4742, 0.4155 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(181, 117, 50)` looks like.

```
.text, #text, p{  
    color:rgb(181, 117, 50)  
}
```

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(181, 117, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 117, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.7766, 0.4742, 0.4155 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(181, 117, 50) }
```

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

```
.border{ border-color:rgb(181, 117, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 117, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 117, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 117, 50);  
box-shadow:4px 4px 4px 4px rgb(181, 117,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7766, 0.4742, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 117, 50) }
```

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

```
.background{ background-color: rgb(181,  
117, 50) }
```

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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