

Converting Colors

$Y_{xy}(22.1795, 0.4822, 0.4318)$

Have a look what the booklet for
Yxy(22.1795, 0.4822, 0.4318)
contains.

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Color

Yxy(22.1795, 0.4822, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	B17521
RGB	177, 117, 33
RGB Percent	69%, 46%, 13%
CMY	0.3059, 0.5412, 0.8704
CMYK	0.00, 0.34, 0.81, 0.31
HSL	35°, 69%, 41%
HSV	35°, 81%, 69%
XYZ	24.7683, 22.1795, 4.4174
YIQ	125.3640, 62.7240, -13.4040

Conversions

Conversions Part 2

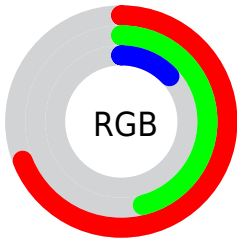
Format	Color
RYB	136, 177, 33
Decimal	11629857
CIELab	54.22, 16.71, 52.34
CIElCh	54, 54.943, 72.297
Yxy	22.1795, 0.4822, 0.4318
Android (android.graphics.Color)	4289819937 (0xFFB17521)
YUV	125.3640, -45.5355, 45.2848
Hunter-Lab	47.0951, 11.4604, 27.4053

Details

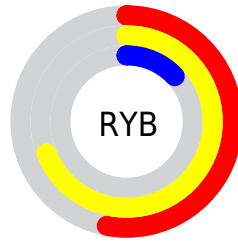
The Yxy color **22.1795, 0.4822, 0.4318** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.3348, 0.1865, 0.1693**, and the grayscale version is **20.7805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0363, 0.4500, 0.4170**, and **8.1782, 0.5130, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **20.4541, 0.5015, 0.4318**, and if you desaturate by 10%, it is **24.0948, 0.4602, 0.4268**.

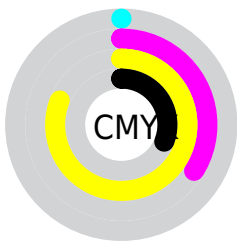
Distribution



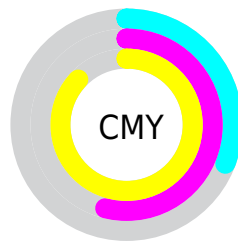
- Red (69%)
- Green (46%)
- Blue (13%)



- Red (53%)
- Yellow (69%)
- Blue (13%)



- Cyan (0%)
- Magenta (34%)
- Yellow (81%)
- Black (31%)





- Cyan (31%)
- Magenta (54%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1795, 0.4822, 0.4318 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 22.1795, 0.4822, 0.4318 by changing the saturation by 10% instead.


 22.1795, 0.4822,
0.4318


 22.1795, 0.4822,
0.4318


263.4822, 0.3926,
0.3845

 13.9889, 0.5029,
0.4388

 47.0425, 0.4500,
0.4173

 8.1129, 0.5291,
0.4454


 64.4836, 0.4376,
0.4109

 4.1673, 0.5561,
0.4439

 85.7770, 0.4271,
0.4051

 1.7676, 0.5772,
0.4228

 111.3071, 0.4181,
0.4000

 0.4668, 0.6459,
0.3541

 141.4583, 0.4104,
0.3954

 0.0000, 0.0000,
0.0000

 176.6150, 0.4037,

0.3914

217.1615, 0.3978,
0.3877

22.1795, 0.4822,
0.4318

22.1795, 0.4822,
0.4318

20.4541, 0.5015,
0.4318

24.0948, 0.4602,
0.4268

19.0939, 0.5161,
0.4284

26.2069, 0.4366,
0.4175

28.5257, 0.4129,
0.4052

31.0595, 0.3899,
0.3909

33.8157, 0.3683,
0.3757

■ 36.8014, 0.3485,
0.3603

■ 40.0232, 0.3307,
0.3452

■ 43.4873, 0.3147,
0.3309

■ 47.1997, 0.3006,
0.3174

Harmonies

Analogous

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



22.1795, 0.5040, 0.3634



22.1795, 0.4822, 0.4318



22.1795, 0.4155, 0.4921

Triad

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



22.1795, 0.4822, 0.4318



22.1795, 0.1784, 0.3372



22.1795, 0.2720, 0.2025

Complementary

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



22.1795, 0.4822, 0.4318



11.3348, 0.1865, 0.1693

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.



22.1795, 0.1995, 0.1873



22.1795, 0.4822, 0.4318



22.1795, 0.1527, 0.2476

Square

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



22.1795, 0.4822, 0.4318



22.1795, 0.2406, 0.4474



22.1795, 0.1603, 0.2000



22.1795, 0.3706, 0.2416

Rectangle

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



22.1795, 0.4822, 0.4318



22.1795, 0.3580, 0.5116



22.1795, 0.1603, 0.2000



22.1795, 0.2442, 0.1946

Sweetspot

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



22.1806, 0.4822, 0.4318



64.2175, 0.3544, 0.3650



11.2715, 0.4714, 0.2559



13.5133, 0.3613, 0.3704



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.1806, 0.4822, 0.4318



34.2914, 0.5150, 0.4279



39.8152, 0.4039, 0.5022



9.3010, 0.3273, 0.3423



13.9557, 0.5148, 0.4295



0.5511, 0.4816, 0.4558

Inverse Universe

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



11.3348, 0.1865, 0.1693



14.5119, 0.1705, 0.1325



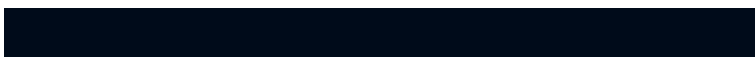
4.7704, 0.1682, 0.0848



8.7927, 0.2985, 0.3154



5.9406, 0.1705, 0.1338



0.3033, 0.1863, 0.1906

Previews

White Background



This preview shows how the Yxy color 22.1795, 0.4822, 0.4318 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 22.1795, 0.4822, 0.4318 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 22.1795, 0.4822, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 22.1795, 0.4822, 0.4318.



This preview shows how white text looks on a background with the Yxy color 22.1795, 0.4822, 0.4318.

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

22.1795, 0.4822, 0.4318

Protanopia

22.2036, 0.4266, 0.4699

Deuteranopia

22.1522, 0.4609, 0.4512



Tritanopia

22.1667, 0.4009, 0.3177

Trichromacy



Original Color

22.1795, 0.4822, 0.4318

Protanomaly

21.9567, 0.4470, 0.4556

Deuteranomaly

22.2087, 0.4689, 0.4441

Tritanomaly

21.9635, 0.4389, 0.3666

Monochromacy



Original Color

22.1795, 0.4822, 0.4318

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6211, 0.3773, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1795, 0.4822, 0.4318 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(177, 117, 33)` looks like.

```
.text, #text, p{  
    color:rgb(177, 117, 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(177, 117, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 117, 33) }
```

Border

The CSS property to change the border of an element to Yxy 22.1795, 0.4822, 0.4318 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(177, 117, 33) }
```

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

```
.border{ border-color:rgb(177, 117, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 117, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 117, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 117, 33);  
box-shadow:4px 4px 4px 4px rgb(177, 117,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1795, 0.4822, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 117, 33) }
```

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

```
.background{ background-color: rgb(177,  
117, 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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