

Converting Colors

$Y_{xy}(22.0567, 0.4586, 0.4506)$

Have a look what the booklet for
Yxy(22.0567, 0.4586, 0.4506)
contains.

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Color

$\text{Yxy}(22.0567, 0.4586, 0.4506)$

Conversions

Conversions Part 1

Format	Color
Hex	A37B20
RGB	163, 123, 32
RGB Percent	64%, 48%, 13%
CMY	0.3608, 0.5176, 0.8743
CMYK	0.00, 0.25, 0.80, 0.36
HSL	42°, 67%, 38%
HSV	42°, 80%, 64%
XYZ	22.4483, 22.0567, 4.4446
YIQ	124.5860, 53.0510, -19.8210

Conversions

Conversions Part 2

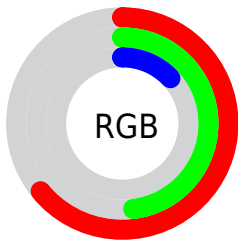
Format	Color
RYB	90, 163, 32
Decimal	10713888
CIELab	54.09, 6.97, 51.98
CIElCh	54, 52.441, 82.366
Yxy	22.0567, 0.4586, 0.4506
Android (android.graphics.Color)	4288903968 (0xFFA37B20)
YUV	124.5860, -45.6449, 33.6891
Hunter-Lab	46.9646, 3.1321, 27.2641

Details

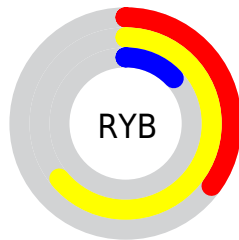
The Yxy color **22.0567, 0.4586, 0.4506** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5938, 0.1807, 0.1440**, and the grayscale version is **20.5072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8296, 0.4324, 0.4303**, and **8.1580, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **20.7858, 0.4732, 0.4537**, and if you desaturate by 10%, it is **23.4365, 0.4414, 0.4428**.

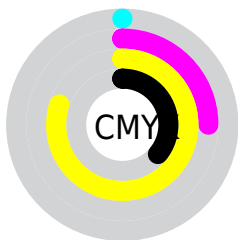
Distribution



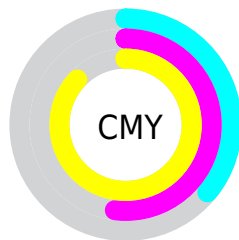
- Red (64%)
- Green (48%)
- Blue (13%)



- Red (35%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (36%)



- Cyan (36%)
- Magenta (52%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0567, 0.4586, 0.4506 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 22.0567, 0.4586, 0.4506 by changing the saturation by 10% instead.


 22.0567, 0.4586,
0.4506


 22.0567, 0.4586,
0.4506


262.8422, 0.3824,
0.3903


 13.8986, 0.4756,
0.4621


 46.8397, 0.4315,
0.4304


 8.0502, 0.4968,
0.4752

 64.2333, 0.4210,
0.4222


 4.1271, 0.5169,
0.4831

 85.4743, 0.4120,
0.4150

 1.7449, 0.5265,
0.4735

 110.9469, 0.4043,
0.4087

 0.4525, 0.5701,
0.4299

 141.0356, 0.3977,
0.4032

 0.0000, 0.0000,
0.0000

 176.1248, 0.3919,

0.3984

216.5989, 0.3868,
0.3941

22.0567, 0.4586,
0.4506

22.0567, 0.4586,
0.4506

20.7858, 0.4732,
0.4537

23.4365, 0.4414,
0.4428

19.6439, 0.4851,
0.4530

24.9284, 0.4224,
0.4310

26.5394, 0.4026,
0.4163

28.2746, 0.3828,
0.3996

30.1386, 0.3635,
0.3819

■ 32.1359, 0.3454,
0.3640

■ 34.2705, 0.3286,
0.3464

■ 36.5462, 0.3132,
0.3295

■ 38.9668, 0.2993,
0.3137

Harmonies

Analogous

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



22.0567, 0.4958, 0.3855



22.0567, 0.4586, 0.4506



22.0567, 0.3856, 0.4980

Triad

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



22.0567, 0.4586, 0.4506



22.0567, 0.1712, 0.3045



22.0567, 0.3039, 0.2173

Complementary

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



22.0567, 0.4586, 0.4506



7.5938, 0.1807, 0.1440

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.



22.0567, 0.2237, 0.1943



22.0567, 0.4586, 0.4506



22.0567, 0.1572, 0.2315

Square

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



22.0567, 0.4586, 0.4506



22.0567, 0.2201, 0.4081



22.0567, 0.1748, 0.1972



22.0567, 0.4008, 0.2619

Rectangle

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



22.0567, 0.4586, 0.4506



22.0567, 0.3279, 0.5010



22.0567, 0.1748, 0.1972



22.0567, 0.2741, 0.2069

Sweetspot

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



22.0578, 0.4586, 0.4506



56.0539, 0.3527, 0.3713



9.3105, 0.5034, 0.2783



12.3176, 0.3589, 0.3774



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.0578, 0.4586, 0.4506



35.6455, 0.4820, 0.4529



31.7866, 0.3870, 0.5124



7.8704, 0.3269, 0.3446



15.3501, 0.4843, 0.4536



0.3999, 0.4560, 0.4761

Inverse Universe

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



7.5938, 0.1807, 0.1440



9.2369, 0.1638, 0.1068



4.5230, 0.1813, 0.0936



7.1964, 0.2987, 0.3130



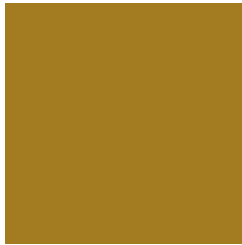
3.8861, 0.1623, 0.1042



0.1615, 0.1823, 0.1762

Previews

White Background



This preview shows how the Yxy color 22.0567, 0.4586, 0.4506 looks on a white background.

Color Contrast Check

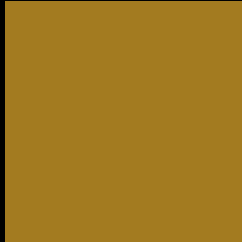
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0567, 0.4586, 0.4506 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 22.0567, 0.4586, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 22.0567, 0.4586, 0.4506.



This preview shows how white text looks on a background with the Yxy color 22.0567, 0.4586, 0.4506.

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

22.0567, 0.4586, 0.4506

Protanopia

22.1917, 0.4277, 0.4716

Deuteranopia

22.0567, 0.4586, 0.4506



Tritanopia

22.1265, 0.3733, 0.3169

Trichromacy



Original Color

22.0567, 0.4586, 0.4506

Protanomaly

21.9639, 0.4395, 0.4638

Deuteranomaly

22.0567, 0.4586, 0.4506

Tritanomaly

21.9105, 0.4126, 0.3727

Monochromacy



Original Color

22.0567, 0.4586, 0.4506

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6596, 0.3708, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0567, 0.4586, 0.4506 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(163, 123, 32)` looks like.

```
.text, #text, p{  
    color:rgb(163, 123, 32)  
}
```

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(163, 123, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 123, 32) }
```

Border

The CSS property to change the border of an element to Yxy 22.0567, 0.4586, 0.4506 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(163, 123, 32) }
```

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

```
.border{ border-color:rgb(163, 123, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 123, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 123, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 123, 32);  
box-shadow:4px 4px 4px 4px rgb(163, 123,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0567, 0.4586, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 123, 32) }
```

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

```
.background{ background-color: rgb(163,  
123, 32) }
```

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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