

Converting Colors

$Y_{xy}(22.9146, 0.4491, 0.4558)$

Have a look what the booklet for
Yxy(22.9146, 0.4491, 0.4558)
contains.

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Color

Yxy(22.8713, 0.4499, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	A17F22
RGB	161, 127, 34
RGB Percent	63%, 50%, 13%
CMY	0.3685, 0.5020, 0.8667
CMYK	0.00, 0.21, 0.79, 0.37
HSL	44°, 65%, 38%
HSV	44°, 79%, 63%
XYZ	22.5802, 22.8713, 4.7379
YIQ	126.5640, 50.1170, -21.7150

Conversions

Conversions Part 2

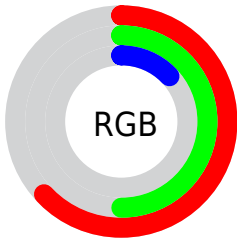
Format	Color
RYB	80, 161, 34
Decimal	10583842
CIELab	54.94, 3.90, 51.96
CIElCh	55, 52.110, 85.712
Yxy	22.8713, 0.4499, 0.4557
Android (android.graphics.Color)	4288773922 (0xFFA17F22)
YUV	126.5640, -45.6341, 30.2004
Hunter-Lab	47.8239, 0.5873, 27.6030

Details

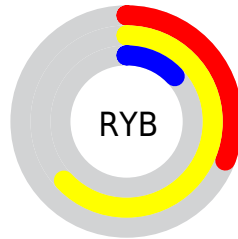
The Yxy color **22.8713, 0.4499, 0.4557** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0531, 0.1803, 0.1388**, and the grayscale version is **21.2139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9722, 0.4252, 0.4339**, and **8.4520, 0.4702, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **21.7096, 0.4633, 0.4602**, and if you desaturate by 10%, it is **24.1265, 0.4339, 0.4466**.

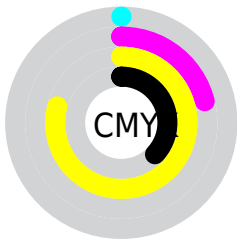
Distribution



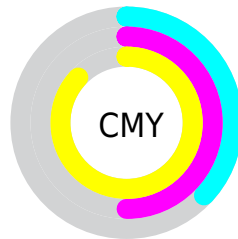
- Red (63%)
- Green (50%)
- Blue (13%)



- Red (31%)
- Yellow (63%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (79%)
- Black (37%)



- Cyan (37%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8713, 0.4499, 0.4557 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 22.8713, 0.4499, 0.4557 by changing the saturation by 10% instead.

■ 22.8713, 0.4499,
0.4557

■ 22.8713, 0.4499,
0.4557

267.0633, 0.3789,
0.3920

■ 14.4985, 0.4655,
0.4686

■ 48.1819, 0.4249,
0.4339

■ 8.4682, 0.4840,
0.4830

■ 65.8885, 0.4151,
0.4252

■ 4.3960, 0.5037,
0.4963

■ 87.4752, 0.4067,
0.4176

■ 1.8974, 0.5089,
0.4911

■ 113.3263, 0.3995,
0.4111

■ 0.5468, 0.5293,
0.4707

■ 143.8263, 0.3933,
0.4053

■ 0.0000, 0.0000,
0.0000

■ 179.3595, 0.3879,

0.4003

220.3104, 0.3831,
0.3959

■ 22.8713, 0.4499,
0.4557

■ 22.8713, 0.4499,
0.4557

■ 21.7096, 0.4633,
0.4602

■ 24.1265, 0.4339,
0.4466

■ 20.6267, 0.4743,
0.4607

■ 25.4778, 0.4162,
0.4338

■ 20.5091, 0.4755,
0.4607

■ 26.9315, 0.3974,
0.4180

■ 28.4923, 0.3785,
0.4003

■ 30.1643, 0.3601,
0.3818

■ 31.9515, 0.3425,
0.3630

■ 33.8576, 0.3261,
0.3447

■ 35.8860, 0.3111,
0.3271

■ 38.0400, 0.2974,
0.3105

Harmonies

Analogous

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



22.8713, 0.4912, 0.3925



22.8713, 0.4499, 0.4557



22.8713, 0.3756, 0.4976

Triad

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



22.8713, 0.4499, 0.4557



22.8713, 0.1702, 0.2952



22.8713, 0.3145, 0.2229

Complementary

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



22.8713, 0.4499, 0.4557



7.0531, 0.1803, 0.1388

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.



22.8713, 0.2325, 0.1975



22.8713, 0.4499, 0.4557



22.8713, 0.1598, 0.2276

Square

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



22.8713, 0.4499, 0.4557



22.8713, 0.2147, 0.3950



22.8713, 0.1806, 0.1975



22.8713, 0.4093, 0.2689

Rectangle

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



22.8713, 0.4499, 0.4557



22.8713, 0.3184, 0.4948



22.8713, 0.1806, 0.1975



22.8713, 0.2844, 0.2118

Sweetspot

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



22.8724, 0.4499, 0.4557



55.3941, 0.3522, 0.3734



9.1663, 0.5080, 0.2843



11.9174, 0.3581, 0.3797



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.8724, 0.4499, 0.4557



37.3282, 0.4718, 0.4605



30.6426, 0.3820, 0.5136



7.9147, 0.3268, 0.3454



16.4435, 0.4749, 0.4611



0.4167, 0.4510, 0.4801

Inverse Universe

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



7.0531, 0.1803, 0.1388



8.3066, 0.1622, 0.1000



4.7273, 0.1873, 0.0988



7.1544, 0.2987, 0.3121



3.5025, 0.1599, 0.0955



0.1470, 0.1791, 0.1647

Previews

White Background



This preview shows how the Yxy color 22.8713, 0.4499, 0.4557 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 22.8713, 0.4499, 0.4557 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 22.8713, 0.4499, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 22.8713, 0.4499, 0.4557.



This preview shows how white text looks on a background with the Yxy color 22.8713, 0.4499, 0.4557.

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

22.8713, 0.4499, 0.4557

Protanopia

22.9198, 0.4273, 0.4715

Deuteranopia

22.8956, 0.4578, 0.4486



Tritanopia

22.7309, 0.3631, 0.3137

Trichromacy



Original Color

22.8713, 0.4499, 0.4557

Protanomaly

22.8589, 0.4358, 0.4650

Deuteranomaly

22.9356, 0.4541, 0.4514

Tritanomaly

22.4822, 0.4029, 0.3716

Monochromacy



Original Color

22.8713, 0.4499, 0.4557

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4580, 0.3668, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8713, 0.4499, 0.4557 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(161, 127, 34)` looks like.

```
.text, #text, p{  
    color:rgb(161, 127, 34)  
}
```

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(161, 127, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 127, 34) }
```

Border

The CSS property to change the border of an element to Yxy 22.8713, 0.4499, 0.4557 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(161, 127, 34) }
```

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

```
.border{ border-color:rgb(161, 127, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 127, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 127, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 127, 34);  
box-shadow:4px 4px 4px 4px rgb(161, 127,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8713, 0.4499, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 127, 34) }
```

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

```
.background{ background-color: rgb(161,  
127, 34) }
```

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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