

Converting Colors

$Y_{xy}(22.0709, 0.4503, 0.4697)$

Have a look what the booklet for
Yxy(22.0709, 0.4503, 0.4697)
contains.

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Color

Yxy(22.1943, 0.4497, 0.4702)

Conversions

Conversions Part 1

Format	Color
Hex	9B7F13
RGB	155, 127, 19
RGB Percent	61%, 50%, 7%
CMY	0.3921, 0.5020, 0.9255
CMYK	0.00, 0.18, 0.88, 0.39
HSL	48°, 78%, 34%
HSV	48°, 88%, 61%
XYZ	21.2267, 22.1943, 3.7809
YIQ	123.0600, 51.3560, -27.6520

Conversions

Conversions Part 2

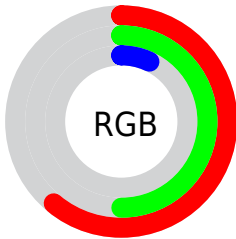
Format	Color
R_{YB}	54, 155, 19
Decimal	10190611
CIE Lab	54.23, 0.63, 55.84
CIE LCh	54, 55.845, 89.355
Yxy	22.1943, 0.4497, 0.4702
Android (android.graphics.Color)	4288380691 (0xFF9B7F13)
YUV	123.0600, -51.3016, 28.0114
Hunter-Lab	47.1108, -2.0174, 28.2193

Details

The Yxy color **22.1943, 0.4497, 0.4702** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5396, 0.1665, 0.1049**, and the grayscale version is **19.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9081, 0.4261, 0.4455**, and **8.1581, 0.4615, 0.4718** is the 20% darker color. If you saturate the color by 10%, you get **21.3443, 0.4585, 0.4723**, and if you desaturate by 10%, it is **23.1047, 0.4383, 0.4640**.

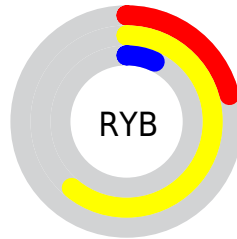
Distribution



Red (61%)

Green (50%)

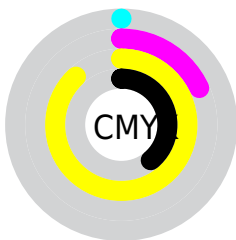
Blue (7%)



Red (21%)

Yellow (61%)

Blue (7%)

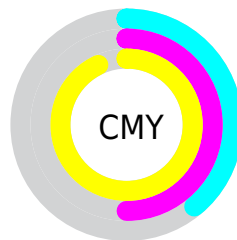


Cyan (0%)

Magenta (18%)

Yellow (88%)

Black (39%)



Cyan (39%)


Magenta (50%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1943, 0.4497, 0.4702 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 22.1943, 0.4497, 0.4702 by changing the saturation by 10% instead.


 22.1943, 0.4497,
0.4702


 22.1943, 0.4497,
0.4702


 263.5593, 0.3803,
0.3990


 13.9997, 0.4636,
0.4843


 47.0669, 0.4260,
0.4460

 8.1205, 0.4827,
0.5035

 64.5138, 0.4165,
0.4362

 4.1721, 0.4900,
0.5100

 85.8135, 0.4082,
0.4278

 1.7703, 0.4909,
0.5091

 111.3505, 0.4010,
0.4204


 0.4686, 0.4958,
0.5042


 141.5092, 0.3948,
0.4140


 0.0000, 0.0000,
0.0000


 176.6740, 0.3894,


0.4084


 217.2292, 0.3846,
0.4034


 22.1943, 0.4497,
0.4702

 22.1943, 0.4497,
0.4702


 21.3443, 0.4585,
0.4723


 23.1047, 0.4383,
0.4640

 21.1572, 0.4605,
0.4726

 24.0808, 0.4245,
0.4535

 25.1289, 0.4087,
0.4393

 26.2533, 0.3917,
0.4223

 27.4578, 0.3742,
0.4033

■ 28.7460, 0.3568,
0.3835

■ 30.1212, 0.3401,
0.3634

■ 31.5864, 0.3242,
0.3437

■ 33.1445, 0.3095,
0.3248

Harmonies

Analogous

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



22.1943, 0.5011, 0.4026



22.1943, 0.4497, 0.4702



22.1943, 0.3671, 0.5133

Triad

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



22.1943, 0.4497, 0.4702



22.1943, 0.1574, 0.2802



22.1943, 0.3264, 0.2208

Complementary

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



22.1943, 0.4497, 0.4702



4.5396, 0.1665, 0.1049

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.



22.1943, 0.2355, 0.1911



22.1943, 0.4497, 0.4702



22.1943, 0.1512, 0.2140

Square

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



22.1943, 0.4497, 0.4702



22.1943, 0.1992, 0.3865



22.1943, 0.1768, 0.1872



22.1943, 0.4286, 0.2713

Rectangle

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



22.1943, 0.4497, 0.4702



22.1943, 0.3058, 0.5057



22.1943, 0.1768, 0.1872



22.1943, 0.2932, 0.2082

Sweetspot

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



22.1954, 0.4497, 0.4702



51.7663, 0.3547, 0.3810



7.6530, 0.5602, 0.2999



11.5442, 0.3602, 0.3874



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.1954, 0.4497, 0.4702



37.6061, 0.4614, 0.4719



27.2405, 0.3731, 0.5319



7.0068, 0.3265, 0.3466



17.0451, 0.4600, 0.4729



0.3034, 0.4391, 0.4895

Inverse Universe

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



4.5396, 0.1665, 0.1049



5.8586, 0.1555, 0.0799



3.7184, 0.1834, 0.0867



6.2223, 0.2988, 0.3108



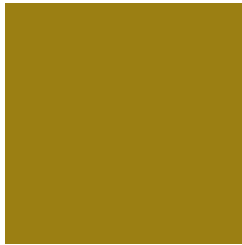
2.7741, 0.1566, 0.0837



0.0854, 0.1751, 0.1502

Previews

White Background



This preview shows how the Yxy color 22.1943, 0.4497, 0.4702 looks on a white background.

Color Contrast Check

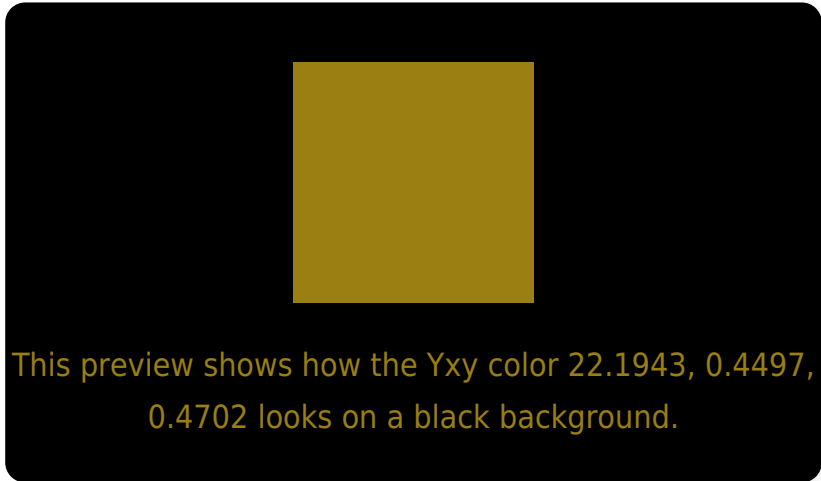
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1943, 0.4497, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 22.1943, 0.4497, 0.4702.



This preview shows how white text looks on a background with the Yxy color 22.1943, 0.4497, 0.4702.

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

22.1943, 0.4497, 0.4702

Protanopia

22.1268, 0.4343, 0.4813

Deuteranopia

22.1164, 0.4648, 0.4561



Tritanopia

22.1706, 0.3580, 0.3149

Trichromacy



Original Color

22.1943, 0.4497, 0.4702

Protanomaly

22.1406, 0.4393, 0.4774

Deuteranomaly

22.0465, 0.4602, 0.4604

Tritanomaly

21.7503, 0.4026, 0.3824

Monochromacy



Original Color

22.1943, 0.4497, 0.4702

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2221, 0.3726, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1943, 0.4497, 0.4702 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(155, 127, 19)` looks like.

```
.text, #text, p{  
    color:rgb(155, 127, 19)  
}
```

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(155, 127, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 127, 19) }
```

Border

The CSS property to change the border of an element to Yxy 22.1943, 0.4497, 0.4702 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(155, 127, 19) }
```

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

```
.border{ border-color:rgb(155, 127, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 127, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 127, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 127, 19);  
box-shadow:4px 4px 4px 4px rgb(155, 127,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1943, 0.4497, 0.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 127, 19) }
```

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

```
.background{ background-color: rgb(155,  
127, 19) }
```

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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