

Converting Colors

$Y_{xy}(22.4921, 0.4877, 0.4974)$

Have a look what the booklet for
Yxy(22.4921, 0.4877, 0.4974)
contains.

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Color

Yxy(22.7082, 0.4656, 0.4685)

Conversions

Conversions Part 1

Format	Color
Hex	A37E00
RGB	163, 126, 0
RGB Percent	64%, 49%, 0%
CMY	0.3607, 0.5059, 0.9999
CMYK	0.00, 0.23, 1.00, 0.36
HSL	46°, 100%, 32%
HSV	46°, 100%, 64%
XYZ	22.5676, 22.7082, 3.1942
YIQ	122.6990, 62.4980, -31.3420

Conversions

Conversions Part 2

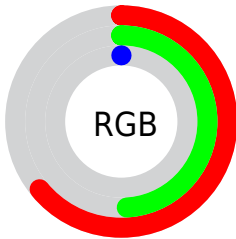
Format	Color
RYB	48, 163, 0
Decimal	10714624
CIELab	54.77, 4.57, 60.34
CIELCh	55, 60.508, 85.671
Yxy	22.7082, 0.4656, 0.4685
Android (android.graphics.Color)	4288904704 (0xFFA37E00)
YUV	122.6990, -60.4906, 35.3440
Hunter-Lab	47.6531, 1.1413, 29.3830

Details

The Yxy color **22.7082, 0.4656, 0.4685** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.9709, 0.1572, 0.0858**, and the grayscale version is **19.8924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7756, 0.4403, 0.4470**, and **8.4336, 0.4759, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **22.7078, 0.4656, 0.4685**, and if you desaturate by 10%, it is **23.7121, 0.4564, 0.4675**.

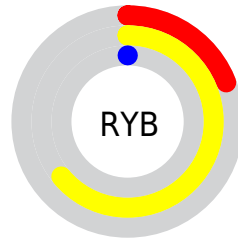
Distribution



Red (64%)

Green (49%)

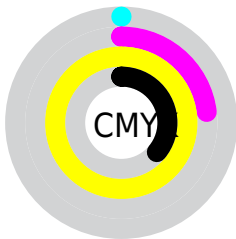
Blue (0%)



Red (19%)

Yellow (64%)

Blue (0%)

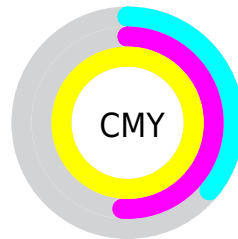


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7082, 0.4656, 0.4685 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 22.7082, 0.4656, 0.4685 by changing the saturation by 10% instead.


 22.7082, 0.4656,
0.4685


 22.7082, 0.4656,
0.4685

266.2227, 0.3892,
0.4015


 14.3782, 0.4803,
0.4798


 47.9137, 0.4400,
0.4471


 8.3842, 0.5028,
0.4972


 65.5581, 0.4295,
0.4379


 4.3417, 0.5065,
0.4935

 87.0760, 0.4204,
0.4298

 1.8665, 0.5127,
0.4873

 112.8518, 0.4124,
0.4227


 0.5281, 0.5374,
0.4626


 143.2700, 0.4055,
0.4164

 0.0000, 0.0000,
0.0000


 178.7150, 0.3994,


0.4108


 219.5711, 0.3940,
0.4059


 22.7082, 0.4656,
0.4685


 22.7082, 0.4656,
0.4685


 22.7078, 0.4656,
0.4685

 23.7121, 0.4564,
0.4675

 24.7814, 0.4449,
0.4629

 25.9305, 0.4308,
0.4537

 27.1655, 0.4146,
0.4405

 28.4915, 0.3971,
0.4244

■ 29.9133, 0.3792,
0.4061

■ 31.4349, 0.3613,
0.3867

■ 33.0602, 0.3441,
0.3670

■ 34.7928, 0.3278,
0.3476

Harmonies

Analogous

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



22.7082, 0.5163, 0.3952



22.7082, 0.4656, 0.4685



22.7082, 0.3800, 0.5235

Triad

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



22.7082, 0.4656, 0.4685



22.7082, 0.1513, 0.2875



22.7082, 0.3134, 0.2092

Complementary

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



22.7082, 0.4656, 0.4685



3.9709, 0.1572, 0.0858

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.



22.7082, 0.2207, 0.1813



22.7082, 0.4656, 0.4685



22.7082, 0.1412, 0.2121

Square

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



22.7082, 0.4656, 0.4685



22.7082, 0.1993, 0.4062



22.7082, 0.1639, 0.1804



22.7082, 0.4243, 0.2598

Rectangle

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



22.7082, 0.4656, 0.4685



22.7082, 0.3154, 0.5251



22.7082, 0.1639, 0.1804



22.7082, 0.2789, 0.1971

Sweetspot

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



22.7093, 0.4656, 0.4685



56.1247, 0.3623, 0.3879



7.9291, 0.5959, 0.3056



12.3558, 0.3694, 0.3957



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.



22.7093, 0.4656, 0.4685



40.3460, 0.4666, 0.4677



30.1611, 0.3733, 0.5418



7.9632, 0.3267, 0.3463



17.7147, 0.4651, 0.4689



0.4358, 0.4457, 0.4843

Inverse Universe

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



3.9709, 0.1572, 0.0858



6.8554, 0.1564, 0.0831



3.1697, 0.1671, 0.0694



7.1089, 0.2987, 0.3111



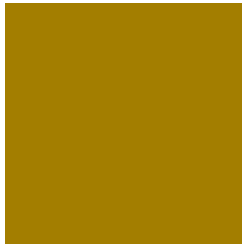
3.1435, 0.1576, 0.0872



0.1312, 0.1754, 0.1514

Previews

White Background



This preview shows how the Yxy color 22.7082, 0.4656, 0.4685 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 22.7082, 0.4656, 0.4685 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 22.7082, 0.4656, 0.4685

Background



This preview shows how black text looks on a background with the Yxy color 22.7082, 0.4656, 0.4685.



This preview shows how white text looks on a background with the Yxy color 22.7082, 0.4656, 0.4685.

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

22.7082, 0.4656, 0.4685

Protanopia

22.8160, 0.4375, 0.4867

Deuteranopia

22.7918, 0.4686, 0.4622



Tritanopia

22.6640, 0.3686, 0.3153

Trichromacy



Original Color

22.7082, 0.4656, 0.4685

Protanomaly

22.7485, 0.4469, 0.4808

Deuteranomaly

22.6775, 0.4681, 0.4640

Tritanomaly

22.2276, 0.4233, 0.3904

Monochromacy



Original Color

22.7082, 0.4656, 0.4685

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.3686, 0.3846, 0.4109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7082, 0.4656, 0.4685 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 126, 0)  
}
```

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, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.7082, 0.4656, 0.4685 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, 126, 0) }
```

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

```
.border{ border-color:rgb(163, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7082, 0.4656, 0.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 126, 0) }
```

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

```
.background{ background-color: rgb(163,  
126, 0) }
```

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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