

Converting Colors

$Y_{xy}(10.0881, 0.4974, 0.5026)$

Have a look what the booklet for
Yxy(10.0881, 0.4974, 0.5026)
contains.

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Color

Yxy(10.2330, 0.4681, 0.4665)

Conversions

Conversions Part 1

Format	Color
Hex	725600
RGB	114, 86, 0
RGB Percent	45%, 34%, 0%
CMY	0.5529, 0.6627, 0.9999
CMYK	0.00, 0.25, 1.00, 0.55
HSL	45°, 100%, 22%
HSV	45°, 100%, 45%
XYZ	10.2681, 10.2330, 1.4346
YIQ	84.5680, 44.2940, -20.8100

Conversions

Conversions Part 2

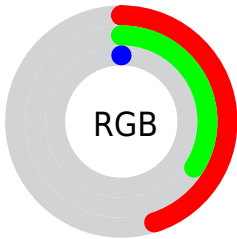
Format	Color
R_YB	37, 114, 0
Decimal	7493120
CIE Lab	38.26, 4.27, 46.31
CIE LCh	38, 46.506, 84.738
Yxy	10.2330, 0.4681, 0.4665
Android (android.graphics.Color)	4285683200 (0xFF725600)
YUV	84.5680, -41.6920, 25.8119
Hunter-Lab	31.9891, 1.3155, 19.7334

Details

The Yxy color **10.2330, 0.4681, 0.4665** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.0473, 0.1596, 0.0946**, and the grayscale version is **9.0720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1595, 0.4359, 0.4394**, and **2.5780, 0.4810, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **10.2325, 0.4681, 0.4665**, and if you desaturate by 10%, it is **10.7148, 0.4568, 0.4635**.

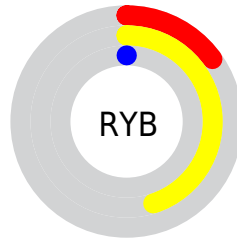
Distribution



Red (45%)

Green (34%)

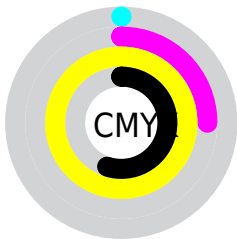
Blue (0%)



Red (15%)

Yellow (45%)

Blue (0%)

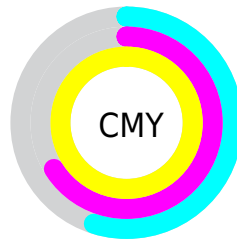


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (66%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2330, 0.4681, 0.4665 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 10.2330, 0.4681, 0.4665 by changing the saturation by 10% instead.

 10.2330, 0.4681,
0.4665


 10.2330, 0.4681,
0.4665


 192.3270, 0.3794,
0.3911


 5.5537, 0.4964,
0.4888

 26.2328, 0.4353,
0.4401


 2.5757, 0.5087,
0.4913


 38.3222, 0.4227,
0.4294


 0.9144, 0.5173,
0.4827

 53.6503, 0.4123,
0.4204


 0.0000, 0.0000,
0.0000


 72.6017, 0.4035,
0.4127


 95.5606, 0.3961,
0.4061


 122.9116, 0.3897,

0.4004

 155.0389, 0.3842,
0.3954

 10.2330, 0.4681,
0.4665

 10.2330, 0.4681,
0.4665


 10.2325, 0.4681,
0.4665

 10.7148, 0.4568,
0.4635

 11.2247, 0.4442,
0.4581

 11.7722, 0.4293,
0.4484

 12.3596, 0.4128,
0.4353

 12.9893, 0.3952,
0.4195

■ 13.6629, 0.3774,
0.4020

■ 14.3824, 0.3599,
0.3835

■ 15.1493, 0.3431,
0.3649

■ 15.9651, 0.3273,
0.3466

Harmonies

Analogous

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



10.2330, 0.5174, 0.3929



10.2330, 0.4681, 0.4665



10.2330, 0.3830, 0.5230

Triad

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



10.2330, 0.4681, 0.4665



10.2330, 0.1519, 0.2905



10.2330, 0.3101, 0.2077

Complementary

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



10.2330, 0.4681, 0.4665



2.0473, 0.1596, 0.0946

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.



10.2330, 0.2181, 0.1806



10.2330, 0.4681, 0.4665



10.2330, 0.1407, 0.2134

Square

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



10.2330, 0.4681, 0.4665



10.2330, 0.2012, 0.4104



10.2330, 0.1624, 0.1806



10.2330, 0.4213, 0.2578

Rectangle

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



10.2330, 0.4681, 0.4665



10.2330, 0.3183, 0.5265



10.2330, 0.1624, 0.1806



10.2330, 0.2758, 0.1959

Sweetspot

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



10.2335, 0.4681, 0.4665



25.1671, 0.3613, 0.3850



3.6648, 0.5826, 0.2984



5.7248, 0.3668, 0.3910



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.2335, 0.4681, 0.4665



17.7776, 0.4696, 0.4653



13.9917, 0.3775, 0.5384



3.7842, 0.3258, 0.3448



11.3624, 0.4684, 0.4663



55.1967, 0.4717, 0.4636

Inverse Universe

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



2.0473, 0.1596, 0.0946



3.4175, 0.1585, 0.0906



1.4699, 0.1680, 0.0699



3.4214, 0.2996, 0.3127



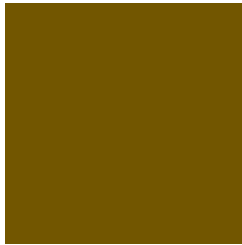
2.2534, 0.1594, 0.0937



10.0510, 0.1570, 0.0853

Previews

White Background



This preview shows how the Yxy color 10.2330, 0.4681, 0.4665 looks on a white background.

Color Contrast Check

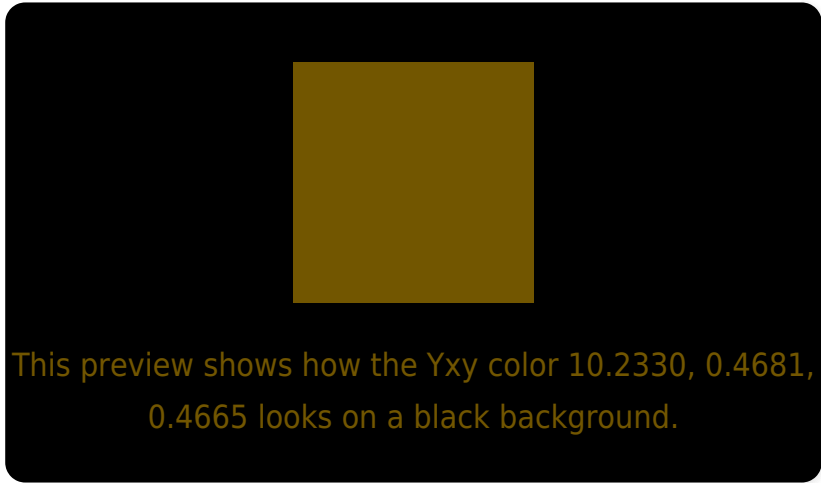
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

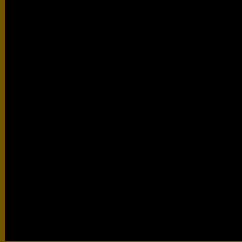
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.2330, 0.4681, 0.4665

Background



This preview shows how black text looks on a background with the Yxy color 10.2330, 0.4681, 0.4665.



This preview shows how white text looks on a background with the Yxy color 10.2330, 0.4681, 0.4665.

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

10.2330, 0.4681, 0.4665

Protanopia

10.3201, 0.4355, 0.4856

Deuteranopia

10.2396, 0.4665, 0.4645



Tritanopia

10.2608, 0.3706, 0.3164

Trichromacy



Original Color

10.2330, 0.4681, 0.4665

Protanomaly

10.2177, 0.4470, 0.4788

Deuteranomaly

10.2374, 0.4670, 0.4652

Tritanomaly

10.0923, 0.4228, 0.3864

Monochromacy



Original Color

10.2330, 0.4681, 0.4665

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.2501, 0.3832, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2330, 0.4681, 0.4665 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(114, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 86, 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(114, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.2330, 0.4681, 0.4665 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(114, 86, 0) }
```

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

```
.border{ border-color:rgb(114, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2330, 0.4681, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 86, 0) }
```

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

```
.background{ background-color: rgb(114, 86,  
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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