

Converting Colors

$Y_{xy}(25.9610, 0.5080, 0.4590)$

Have a look what the booklet for
Yxy(25.9610, 0.5080, 0.4590)
contains.

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Color

$Y_{xy}(25.9981, 0.4953, 0.4449)$

Conversions

Conversions Part 1

Format	Color
Hex	BF7E00
RGB	191, 126, 0
RGB Percent	75%, 49%, 0%
CMY	0.2511, 0.5058, 0.9997
CMYK	0.00, 0.34, 1.00, 0.25
HSL	40°, 100%, 37%
HSV	40°, 100%, 75%
XYZ	28.9433, 25.9981, 3.4945
YIQ	131.0710, 79.1860, -25.4060

Conversions

Conversions Part 2

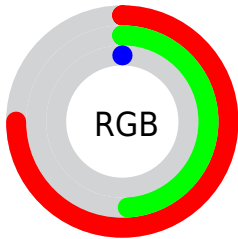
Format	Color
R_{YB}	99, 191, 0
Decimal	12549632
CIE Lab	58.04, 17.27, 64.09
CIE LCh	58, 66.375, 74.919
Yxy	25.9981, 0.4953, 0.4449
Android (android.graphics.Color)	4290739712 (0xFFBF7E00)
YUV	131.0710, -64.6180, 52.5577
Hunter-Lab	50.9883, 12.0950, 31.6284

Details

The Yxy color **25.9981, 0.4953, 0.4449** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.5458, 0.1637, 0.1094**, and the grayscale version is **22.9417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3653, 0.4639, 0.4317**, and **10.2133, 0.5132, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **25.9930, 0.4953, 0.4449**, and if you desaturate by 10%, it is **27.7636, 0.4819, 0.4472**.

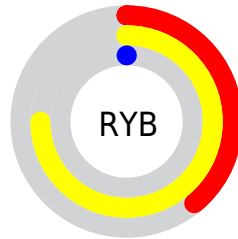
Distribution



Red (75%)

Green (49%)

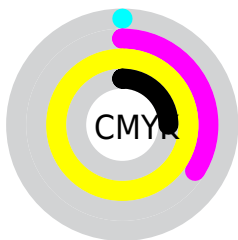
Blue (0%)



Red (39%)

Yellow (75%)

Blue (0%)

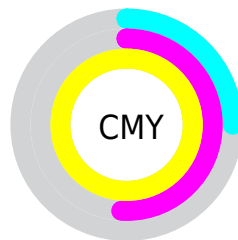


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9981, 0.4953, 0.4449 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 25.9981, 0.4953, 0.4449 by changing the saturation by 10% instead.


 25.9981, 0.4953,
0.4449


 25.9981, 0.4953,
0.4449


282.7728, 0.4046,
0.3960

 16.8222, 0.5135,
0.4503


 53.2719, 0.4647,
0.4314

 10.1078, 0.5383,
0.4570


 72.1386, 0.4523,
0.4249


 5.4705, 0.5524,
0.4476

 95.0043, 0.4415,
0.4188

 2.5259, 0.5703,
0.4297

 122.2535, 0.4321,
0.4133

 0.8896, 0.6015,
0.3985

 154.2706, 0.4239,
0.4083


 0.0000, 1.0000,
0.0000


 191.4399, 0.4167,


 0.0000, 0.0000,


0.4038


0.0000


 234.1458, 0.4103,
0.3997


 25.9981, 0.4953,
0.4449


 25.9981, 0.4953,
0.4449


 25.9930, 0.4953,
0.4449

 27.7636, 0.4819,
0.4472

 29.6843, 0.4658,
0.4450

 31.7803, 0.4470,
0.4380

 34.0619, 0.4265,
0.4269

 36.5380, 0.4053,
0.4126

■ 39.2169, 0.3843,
0.3965

■ 42.1059, 0.3642,
0.3794

■ 45.2120, 0.3455,
0.3620

■ 48.5415, 0.3282,
0.3451

Harmonies

Analogous

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



25.9981, 0.5294, 0.3688



25.9981, 0.4953, 0.4449



25.9981, 0.4154, 0.5155

Triad

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



25.9981, 0.4953, 0.4449



25.9981, 0.1578, 0.3255



25.9981, 0.2745, 0.1915

Complementary

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



25.9981, 0.4953, 0.4449



7.5458, 0.1637, 0.1094

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.



25.9981, 0.1915, 0.1723



25.9981, 0.4953, 0.4449



25.9981, 0.1348, 0.2287

Square

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



25.9981, 0.4953, 0.4449



25.9981, 0.2216, 0.4568



25.9981, 0.1464, 0.1820



25.9981, 0.3883, 0.2359

Rectangle

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



25.9981, 0.4953, 0.4449



25.9981, 0.3502, 0.5390



25.9981, 0.1464, 0.1820



25.9981, 0.2425, 0.1821

Sweetspot

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



25.9994, 0.4953, 0.4449



75.1556, 0.3652, 0.3802



11.4792, 0.5582, 0.2849



16.0099, 0.3737, 0.3876



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



25.9994, 0.4953, 0.4449



46.0959, 0.4968, 0.4437



44.9701, 0.3930, 0.5261



10.5588, 0.3272, 0.3441



17.2404, 0.4940, 0.4459



0.7921, 0.4719, 0.4635

Inverse Universe

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



7.5458, 0.1637, 0.1094



13.1042, 0.1630, 0.1066



4.0192, 0.1560, 0.0633



9.7419, 0.2984, 0.3134



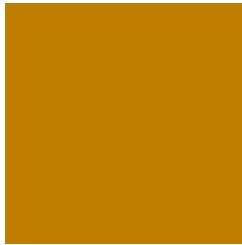
5.0918, 0.1644, 0.1118



0.3229, 0.1784, 0.1622

Previews

White Background



This preview shows how the Yxy color 25.9981, 0.4953, 0.4449 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 25.9981, 0.4953, 0.4449 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 25.9981, 0.4953, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 25.9981, 0.4953, 0.4449.



This preview shows how white text looks on a background with the Yxy color 25.9981, 0.4953, 0.4449.

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

25.9981, 0.4953, 0.4449

Protanopia

26.0543, 0.4380, 0.4845

Deuteranopia

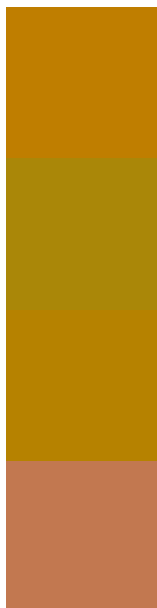
26.1222, 0.4712, 0.4641



Tritanopia

25.9647, 0.4017, 0.3171

Trichromacy



Original Color

25.9981, 0.4953, 0.4449

Protanomaly

25.8915, 0.4591, 0.4701

Deuteranomaly

25.9103, 0.4806, 0.4566

Tritanomaly

25.4815, 0.4553, 0.3815

Monochromacy



Original Color

25.9981, 0.4953, 0.4449

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.0974, 0.3949, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9981, 0.4953, 0.4449 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(191, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.9981, 0.4953, 0.4449 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(191, 126, 0) }
```

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

```
.border{ border-color:rgb(191, 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(191, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9981, 0.4953, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 126, 0) }
```

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

```
.background{ background-color: rgb(191,  
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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