

Converting Colors

$Y_{xy}(24.7560, 0.4766, 0.4598)$

Have a look what the booklet for
Yxy(24.7560, 0.4766, 0.4598)
contains.

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Color

Yxy(24.6684, 0.4771, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	B08000
RGB	176, 128, 0
RGB Percent	69%, 50%, 0%
CMY	0.3098, 0.4980, 0.9993
CMYK	0.00, 0.27, 1.00, 0.31
HSL	44°, 100%, 35%
HSV	44°, 100%, 69%
XYZ	25.6244, 24.6684, 3.4159
YIQ	127.7600, 69.6960, -29.6320

Conversions

Conversions Part 2

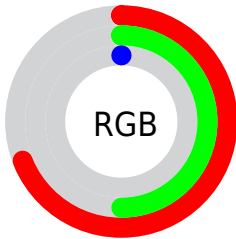
Format	Color
RYB	66, 176, 0
Decimal	11567104
CIELab	56.75, 9.42, 62.35
CIELCh	57, 63.063, 81.406
Yxy	24.6684, 0.4771, 0.4593
Android (android.graphics.Color)	4289757184 (0xFFB08000)
YUV	127.7600, -62.9857, 42.3065
Hunter-Lab	49.6673, 5.1742, 30.6894

Details

The Yxy color **24.6684, 0.4771, 0.4593** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.2642, 0.1596, 0.0944**, and the grayscale version is **21.7109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2980, 0.4493, 0.4419**, and **9.4435, 0.4891, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **24.6563, 0.4772, 0.4593**, and if you desaturate by 10%, it is **25.9955, 0.4663, 0.4596**.

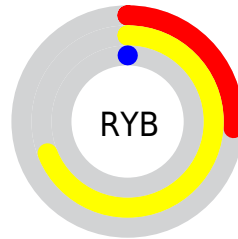
Distribution



Red (69%)

Green (50%)

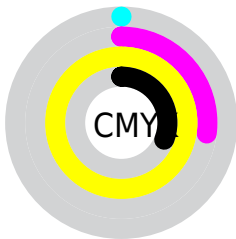
Blue (0%)



Red (26%)

Yellow (69%)

Blue (0%)

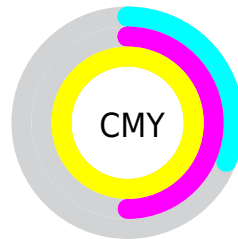


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6684, 0.4771, 0.4593 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 24.6684, 0.4771, 0.4593 by changing the saturation by 10% instead.


 24.6684, 0.4771,
0.4593


 24.6684, 0.4771,
0.4593

276.1825, 0.3955,
0.3997


 15.8302, 0.4931,
0.4681


 51.1188, 0.4497,
0.4412

 9.4041, 0.5159,
0.4805


 69.4997, 0.4385,
0.4331


 5.0057, 0.5247,
0.4753

 91.8303, 0.4288,
0.4259

 2.2506, 0.5357,
0.4643

 118.4950, 0.4203,
0.4194


 0.7474, 0.5582,
0.4418


 149.8782, 0.4129,
0.4136


 0.0000, 0.0000,
0.0000


 186.3642, 0.4064,


0.4085


 228.3375, 0.4006,
0.4039


 24.6684, 0.4771,
0.4593


 24.6684, 0.4771,
0.4593


 24.6563, 0.4772,
0.4593

 25.9955, 0.4663,
0.4596

 27.4196, 0.4530,
0.4559

 28.9572, 0.4371,
0.4475

 30.6160, 0.4192,
0.4351

 32.4026, 0.4003,
0.4197

■ 34.3228, 0.3811,
0.4022

■ 36.3820, 0.3624,
0.3837

■ 38.5852, 0.3445,
0.3649

■ 40.9369, 0.3279,
0.3465

Harmonies

Analogous

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



24.6684, 0.5214, 0.3848



24.6684, 0.4771, 0.4593



24.6684, 0.3938, 0.5208

Triad

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



24.6684, 0.4771, 0.4593



24.6684, 0.1539, 0.3016



24.6684, 0.2981, 0.2024

Complementary

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



24.6684, 0.4771, 0.4593



5.2642, 0.1596, 0.0944

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.



24.6684, 0.2091, 0.1779



24.6684, 0.4771, 0.4593



24.6684, 0.1389, 0.2184

Square

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



24.6684, 0.4771, 0.4593



24.6684, 0.2080, 0.4255



24.6684, 0.1571, 0.1811



24.6684, 0.4104, 0.2506

Rectangle

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



24.6684, 0.4771, 0.4593



24.6684, 0.3290, 0.5312



24.6684, 0.1571, 0.1811



24.6684, 0.2645, 0.1914

Sweetspot

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



24.6696, 0.4771, 0.4593



65.7432, 0.3635, 0.3849



9.4642, 0.5809, 0.2975



13.9096, 0.3712, 0.3926



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.6696, 0.4771, 0.4593



44.3227, 0.4784, 0.4583



36.4461, 0.3816, 0.5351



9.5065, 0.3270, 0.3455



18.1921, 0.4764, 0.4599



0.6634, 0.4573, 0.4751

Inverse Universe

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



5.2642, 0.1596, 0.0944



9.2016, 0.1588, 0.0915



3.5558, 0.1616, 0.0665



8.5952, 0.2985, 0.3120



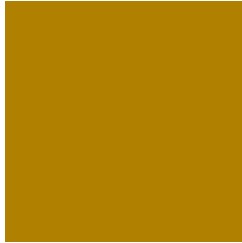
3.9394, 0.1600, 0.0959



0.2235, 0.1759, 0.1533

Previews

White Background



This preview shows how the Yxy color 24.6684, 0.4771, 0.4593 looks on a white background.

Color Contrast Check

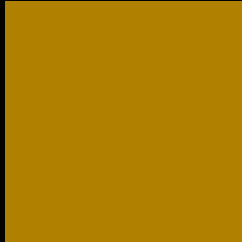
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6684, 0.4771, 0.4593 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 24.6684, 0.4771, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 24.6684, 0.4771, 0.4593.



This preview shows how white text looks on a background with the Yxy color 24.6684, 0.4771, 0.4593.

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

24.6684, 0.4771, 0.4593

Protanopia

24.7833, 0.4377, 0.4859

Deuteranopia

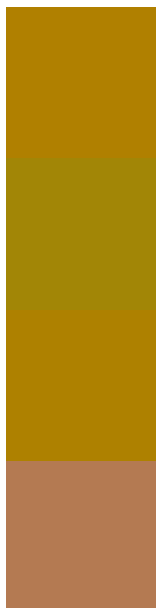
24.5848, 0.4725, 0.4631



Tritanopia

24.6972, 0.3814, 0.3162

Trichromacy



Original Color

24.6684, 0.4771, 0.4593

Protanomaly

24.7447, 0.4519, 0.4766

Deuteranomaly

24.6992, 0.4735, 0.4622

Tritanomaly

24.2316, 0.4351, 0.3861

Monochromacy



Original Color

24.6684, 0.4771, 0.4593

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0673, 0.3865, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6684, 0.4771, 0.4593 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(176, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 128, 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(176, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.6684, 0.4771, 0.4593 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(176, 128, 0) }
```

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

```
.border{ border-color:rgb(176, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6684, 0.4771, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 128, 0) }
```

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

```
.background{ background-color: rgb(176,  
128, 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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