

Converting Colors

$Y_{xy}(24.5694, 0.4556, 0.4765)$

Have a look what the booklet for
Yxy(24.5694, 0.4556, 0.4765)
contains.

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Color

Yxy(24.5616, 0.4557, 0.4764)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A38500 |
| RGB | 163, 133, 0 |
| RGB Percent | 64%, 52%, 0% |
| CMY | 0.3607, 0.4784, 1.0000 |
| CMYK | 0.00, 0.18, 1.00, 0.36 |
| HSL | 49°, 100%, 32% |
| HSV | 49°, 100%, 64% |
| XYZ | 23.4944, 24.5616, 3.5007 |
| YIQ | 126.8080, 60.5730, -35.0030 |

Conversions

Conversions Part 2

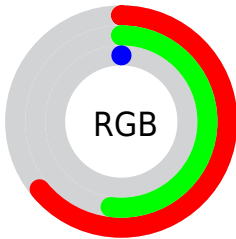
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 37, 163, 0 |
| Decimal | 10716416 |
| CIE Lab | 56.65, 0.67, 61.66 |
| CIE LCh | 57, 61.659, 89.381 |
| Yxy | 24.5616, 0.4557, 0.4764 |
| Android (android.graphics.Color) | 4288906496 (0xFFA38500) |
| YUV | 126.8080, -62.5163, 31.7404 |
| Hunter-Lab | 49.5597, -2.1093, 30.5038 |

Details

The Yxy color **24.5616, 0.4557, 0.4764** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.5746, 0.1551, 0.0783**, and the grayscale version is **21.3585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0771, 0.4324, 0.4530**, and **9.4664, 0.4607, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **24.5629, 0.4557, 0.4764**, and if you desaturate by 10%, it is **25.4351, 0.4480, 0.4746**.

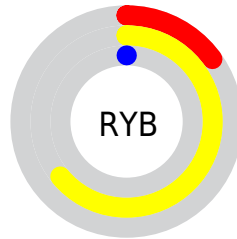
Distribution



Red (64%)

Green (52%)

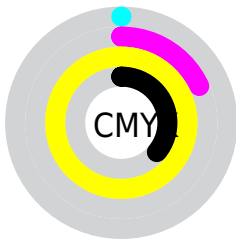
Blue (0%)



Red (15%)

Yellow (64%)

Blue (0%)

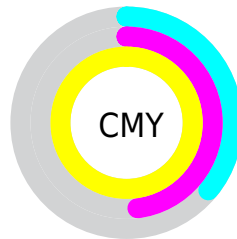


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5616, 0.4557, 0.4764 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 24.5616, 0.4557, 0.4764 by changing the saturation by 10% instead.


 24.5616, 0.4557,
0.4764


 24.5616, 0.4557,
0.4764


 275.6476, 0.3859,
0.4048


 15.7507, 0.4685,
0.4893


 50.9451, 0.4328,
0.4530


 9.3479, 0.4867,
0.5075


 69.2866, 0.4232,
0.4433


 4.9688, 0.4900,
0.5100

 91.5736, 0.4148,
0.4347

 2.2290, 0.4908,
0.5092

 118.1908, 0.4075,
0.4271

 0.7357, 0.4930,
0.5070


 149.5223, 0.4011,
0.4205


 0.0000, 0.0000,
0.0000


 185.9527, 0.3954,


0.4147


 227.8663, 0.3904,
0.4095

 24.5616, 0.4557,
0.4764


 24.5616, 0.4557,
0.4764


 24.5629, 0.4557,
0.4764

 25.4351, 0.4480,
0.4746

 26.3619, 0.4381,
0.4693

 27.3566, 0.4256,
0.4595

 28.4252, 0.4108,
0.4458

 29.5725, 0.3946,
0.4290

■ 30.8032, 0.3776,
0.4100

■ 32.1211, 0.3605,
0.3897

■ 33.5301, 0.3437,
0.3691

■ 35.0334, 0.3277,
0.3487

Harmonies

Analogous

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



24.5616, 0.5116, 0.4041



24.5616, 0.4557, 0.4764



24.5616, 0.3681, 0.5253

Triad

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



24.5616, 0.4557, 0.4764



24.5616, 0.1491, 0.2759



24.5616, 0.3269, 0.2150

Complementary

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



24.5616, 0.4557, 0.4764



3.5746, 0.1551, 0.0783

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.



24.5616, 0.2308, 0.1841



24.5616, 0.4557, 0.4764



24.5616, 0.1432, 0.2069

Square

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



24.5616, 0.4557, 0.4764



24.5616, 0.1920, 0.3900



24.5616, 0.1698, 0.1798



24.5616, 0.4362, 0.2677

Rectangle

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



24.5616, 0.4557, 0.4764



24.5616, 0.3036, 0.5191



24.5616, 0.1698, 0.1798



24.5616, 0.2916, 0.2020

Sweetspot

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



24.5629, 0.4557, 0.4764



57.3768, 0.3614, 0.3909



7.8961, 0.6055, 0.3109



12.6703, 0.3683, 0.3991



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.



24.5629, 0.4557, 0.4764



43.7073, 0.4564, 0.4758



29.7859, 0.3678, 0.5462



8.0144, 0.3266, 0.3472



19.1463, 0.4553, 0.4767



0.4566, 0.4403, 0.4886

Inverse Universe

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



3.5746, 0.1551, 0.0783



6.1853, 0.1545, 0.0760



3.2956, 0.1710, 0.0716



7.0612, 0.2987, 0.3101



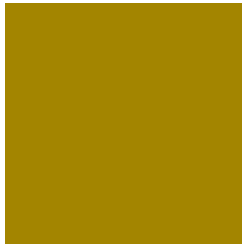
2.8284, 0.1555, 0.0796



0.1145, 0.1713, 0.1366

Previews

White Background



This preview shows how the Yxy color 24.5616, 0.4557, 0.4764 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 24.5616, 0.4557, 0.4764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

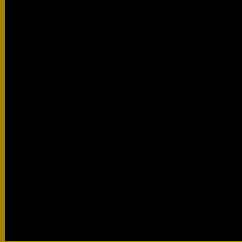
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5616, 0.4557, 0.4764

Background



This preview shows how black text looks on a background with the Yxy color 24.5616, 0.4557, 0.4764.

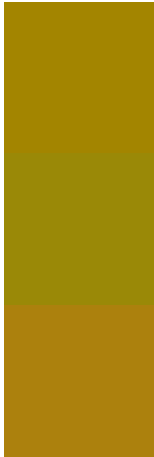


This preview shows how white text looks on a background with the Yxy color 24.5616, 0.4557, 0.4764.

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

24.5616, 0.4557, 0.4764

Protanopia

24.7767, 0.4384, 0.4868

Deuteranopia

24.5002, 0.4684, 0.4603



Tritanopia

24.6548, 0.3585, 0.3155

Trichromacy



Original Color

24.5616, 0.4557, 0.4764

Protanomaly

24.7852, 0.4438, 0.4839

Deuteranomaly

24.4178, 0.4649, 0.4654

Tritanomaly

24.0501, 0.4117, 0.3935

Monochromacy



Original Color

24.5616, 0.4557, 0.4764

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.8700, 0.3805, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5616, 0.4557, 0.4764 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, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 133, 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, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5616, 0.4557, 0.4764 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, 133, 0) }
```

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

```
.border{ border-color:rgb(163, 133, 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, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5616, 0.4557, 0.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 133, 0) }
```

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

```
.background{ background-color: rgb(163,  
133, 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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