

Converting Colors

$Y_{xy}(24.9845, 0.4521, 0.4759)$

Have a look what the booklet for
Yxy(24.9845, 0.4521, 0.4759)
contains.

Yxy(24.8521, 0.4528, 0.4755)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8521, 0.4528, 0.4755)

Conversions

Conversions Part 1

Format	Color
Hex	A38607
RGB	163, 134, 7
RGB Percent	64%, 53%, 3%
CMY	0.3608, 0.4745, 0.9729
CMYK	0.00, 0.18, 0.96, 0.36
HSL	49°, 92%, 33%
HSV	49°, 96%, 64%
XYZ	23.6657, 24.8521, 3.7474
YIQ	128.1930, 58.0510, -33.3490

Conversions

Conversions Part 2

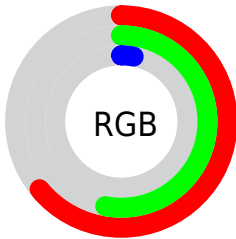
Format	Color
RYB	43, 163, 7
Decimal	10716679
CIELab	56.93, 0.20, 60.69
CIElCh	57, 60.687, 89.814
Yxy	24.8521, 0.4528, 0.4755
Android (android.graphics.Color)	4288906759 (0xFFA38607)
YUV	128.1930, -59.7481, 30.5257
Hunter-Lab	49.8519, -2.5033, 30.4394

Details

The Yxy color **24.8521, 0.4528, 0.4755** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.9428, 0.1582, 0.0852**, and the grayscale version is **21.8500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5381, 0.4300, 0.4517**, and **9.6228, 0.4587, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **24.4863, 0.4560, 0.4761**, and if you desaturate by 10%, it is **25.7495, 0.4444, 0.4727**.

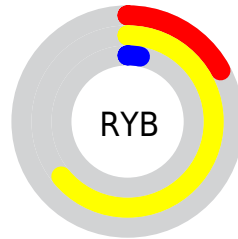
Distribution



Red (64%)

Green (53%)

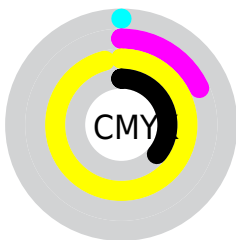
Blue (3%)



Red (17%)

Yellow (64%)

Blue (3%)

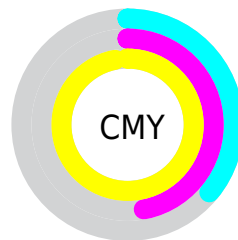


Cyan (0%)

Magenta (18%)

Yellow (96%)

Black (36%)



Cyan (36%)


Magenta (47%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8521, 0.4528, 0.4755 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 24.8521, 0.4528, 0.4755 by changing the saturation by 10% instead.


 24.8521, 0.4528,
0.4755


 24.8521, 0.4528,
0.4755


277.1006, 0.3842,
0.4039


 15.9669, 0.4656,
0.4888


 51.4172, 0.4301,
0.4519

 9.5007, 0.4825,
0.5063


 69.8659, 0.4208,
0.4421

 5.0692, 0.4881,
0.5119

 92.2711, 0.4125,
0.4335

 2.2879, 0.4883,
0.5117

 119.0174, 0.4054,
0.4260

 0.7673, 0.4889,
0.5111


 150.4891, 0.3991,
0.4194


 0.0000, 0.0000,
0.0000


 187.0706, 0.3935,

0.4136


 229.1463, 0.3886,
0.4085


 24.8521, 0.4528,
0.4755

 24.8521, 0.4528,
0.4755


 24.4863, 0.4560,
0.4761

 25.7495, 0.4444,
0.4727

 26.7093, 0.4333,
0.4655

 27.7401, 0.4197,
0.4540

 28.8473, 0.4042,
0.4389

 30.0356, 0.3876,
0.4210

■ 31.3093, 0.3704,
0.4014

■ 32.6722, 0.3533,
0.3809

■ 34.1279, 0.3368,
0.3603

■ 35.6798, 0.3212,
0.3402

Harmonies

Analogous

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



24.8521, 0.5080, 0.4048



24.8521, 0.4528, 0.4755



24.8521, 0.3665, 0.5219

Triad

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



24.8521, 0.4528, 0.4755



24.8521, 0.1513, 0.2759



24.8521, 0.3283, 0.2174

Complementary

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



24.8521, 0.4528, 0.4755



3.9428, 0.1582, 0.0852

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.



24.8521, 0.2334, 0.1865



24.8521, 0.4528, 0.4755



24.8521, 0.1458, 0.2084

Square

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



24.8521, 0.4528, 0.4755



24.8521, 0.1933, 0.3871



24.8521, 0.1726, 0.1819



24.8521, 0.4353, 0.2697

Rectangle

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



24.8521, 0.4528, 0.4755



24.8521, 0.3029, 0.5143



24.8521, 0.1726, 0.1819



24.8521, 0.2936, 0.2044

Sweetspot

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



24.8533, 0.4528, 0.4755



57.5824, 0.3597, 0.3887



8.0758, 0.5930, 0.3084



12.7107, 0.3667, 0.3970



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.



24.8533, 0.4528, 0.4755



43.5856, 0.4568, 0.4755



29.9298, 0.3689, 0.5423



8.0126, 0.3266, 0.3472



19.0945, 0.4556, 0.4764



0.4558, 0.4404, 0.4885

Inverse Universe

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



3.9428, 0.1582, 0.0852



6.2063, 0.1545, 0.0763



3.5704, 0.1755, 0.0765



7.0629, 0.2987, 0.3101



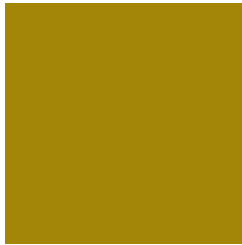
2.8384, 0.1555, 0.0798



0.1151, 0.1714, 0.1371

Previews

White Background



This preview shows how the Yxy color 24.8521, 0.4528, 0.4755 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 24.8521, 0.4528, 0.4755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

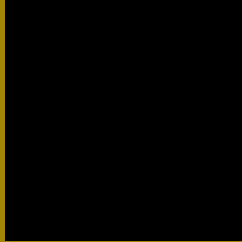
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8521, 0.4528, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 24.8521, 0.4528, 0.4755.



This preview shows how white text looks on a background with the Yxy color 24.8521, 0.4528, 0.4755.

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

24.8521, 0.4528, 0.4755

Protanopia

24.7811, 0.4380, 0.4862

Deuteranopia

24.8840, 0.4676, 0.4599



Tritanopia

24.9345, 0.3570, 0.3155

Trichromacy



Original Color

24.8521, 0.4528, 0.4755

Protanomaly

24.7939, 0.4430, 0.4827

Deuteranomaly

24.6942, 0.4626, 0.4654

Tritanomaly

24.3584, 0.4075, 0.3905

Monochromacy



Original Color

24.8521, 0.4528, 0.4755

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2681, 0.3778, 0.4091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8521, 0.4528, 0.4755 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, 134, 7)` looks like.

```
.text, #text, p{  
    color:rgb(163, 134, 7)  
}
```

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, 134, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 134, 7) }
```

Border

The CSS property to change the border of an element to Yxy 24.8521, 0.4528, 0.4755 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, 134, 7) }
```

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

```
.border{ border-color:rgb(163, 134, 7) }
```

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

Here you see how a box with a 4 pixel rgb(163, 134, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 134, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 134, 7);  
box-shadow:4px 4px 4px 4px rgb(163, 134,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8521, 0.4528, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 134, 7) }
```

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

```
.background{ background-color: rgb(163,  
134, 7) }
```

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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