

Converting Colors

$Y_{xy}(24.8005, 0.4796, 0.4532)$

Have a look what the booklet for
Yxy(24.8005, 0.4796, 0.4532)
contains.

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Color

Yxy(24.7844, 0.4795, 0.4530)

Conversions

Conversions Part 1

Format	Color
Hex	B37F0A
RGB	179, 127, 10
RGB Percent	70%, 50%, 4%
CMY	0.2981, 0.5019, 0.9601
CMYK	0.00, 0.29, 0.94, 0.30
HSL	42°, 89%, 37%
HSV	42°, 94%, 70%
XYZ	26.2343, 24.7844, 3.6930
YIQ	129.2100, 68.5490, -25.3630

Conversions

Conversions Part 2

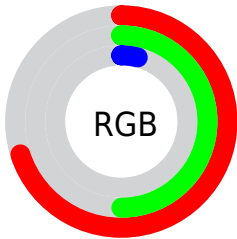
Format	Color
R_{YB}	85, 179, 10
Decimal	11763466
CIE Lab	56.86, 11.47, 60.89
CIE LCh	57, 61.961, 79.328
Yxy	24.7844, 0.4795, 0.4530
Android (android.graphics.Color)	4289953546 (0xFFB37F0A)
YUV	129.2100, -58.7705, 43.6658
Hunter-Lab	49.7839, 6.9409, 30.4505

Details

The Yxy color **24.7844, 0.4795, 0.4530** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.7827, 0.1660, 0.1127**, and the grayscale version is **22.2302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4611, 0.4506, 0.4368**, and **9.5137, 0.4958, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **23.9666, 0.4863, 0.4521**, and if you desaturate by 10%, it is **26.3106, 0.4661, 0.4522**.

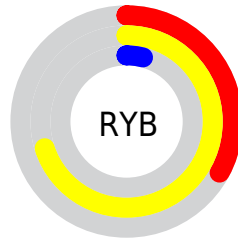
Distribution



Red (70%)

Green (50%)

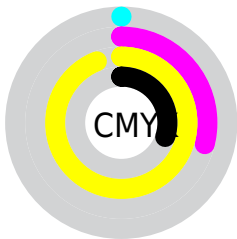
Blue (4%)



Red (33%)

Yellow (70%)

Blue (4%)

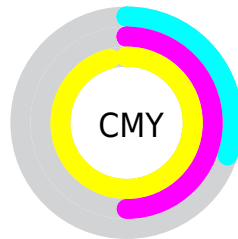


Cyan (0%)

Magenta (29%)

Yellow (94%)

Black (30%)



Cyan (30%)


Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7844, 0.4795, 0.4530 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 24.7844, 0.4795, 0.4530 by changing the saturation by 10% instead.


 24.7844, 0.4795,
0.4530


 24.7844, 0.4795,
0.4530


276.7625, 0.3958,
0.3967


 15.9165, 0.4965,
0.4612


 51.3072, 0.4510,
0.4360

 9.4651, 0.5193,
0.4714


 69.7310, 0.4396,
0.4284


 5.0458, 0.5324,
0.4676

 92.1088, 0.4296,
0.4215

 2.2741, 0.5456,
0.4544

 118.8250, 0.4210,
0.4154


 0.7600, 0.5713,
0.4287

 150.2641, 0.4135,
0.4099

 0.0000, 0.0000,
0.0000


 186.8105, 0.4069,


0.4050

 228.8485, 0.4010,
0.4006


 24.7844, 0.4795,
0.4530

 24.7844, 0.4795,
0.4530


 23.9666, 0.4863,
0.4521

 26.3106, 0.4661,
0.4522

 27.9656, 0.4498,
0.4465

 29.7598, 0.4313,
0.4364

 31.7007, 0.4115,
0.4227

 33.7952, 0.3914,
0.4067

■ 36.0494, 0.3716,
0.3892

■ 38.4690, 0.3528,
0.3713

■ 41.0594, 0.3353,
0.3534

■ 43.8254, 0.3192,
0.3362

Harmonies

Analogous

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



24.7844, 0.5188, 0.3798



24.7844, 0.4795, 0.4530



24.7844, 0.3996, 0.5148

Triad

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



24.7844, 0.4795, 0.4530



24.7844, 0.1588, 0.3100



24.7844, 0.2914, 0.2018

Complementary

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



24.7844, 0.4795, 0.4530



6.7827, 0.1660, 0.1127

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.



24.7844, 0.2061, 0.1794



24.7844, 0.4795, 0.4530



24.7844, 0.1412, 0.2245

Square

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



24.7844, 0.4795, 0.4530



24.7844, 0.2151, 0.4320



24.7844, 0.1570, 0.1847



24.7844, 0.4011, 0.2480

Rectangle

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



24.7844, 0.4795, 0.4530



24.7844, 0.3361, 0.5279



24.7844, 0.1570, 0.1847



24.7844, 0.2591, 0.1914

Sweetspot

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



24.7857, 0.4795, 0.4530



67.0649, 0.3605, 0.3787



10.1697, 0.5524, 0.2864



14.4514, 0.3686, 0.3864



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.7857, 0.4795, 0.4530



42.5117, 0.4877, 0.4510



38.5597, 0.3879, 0.5268



9.4562, 0.3270, 0.3447



17.0567, 0.4853, 0.4529



0.6344, 0.4629, 0.4706

Inverse Universe

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



6.7827, 0.1660, 0.1127



10.3939, 0.1609, 0.0992



3.9492, 0.1636, 0.0705



8.6429, 0.2985, 0.3128



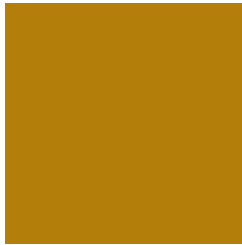
4.3421, 0.1622, 0.1041



0.2428, 0.1786, 0.1630

Previews

White Background



This preview shows how the Yxy color 24.7844, 0.4795, 0.4530 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 24.7844, 0.4795, 0.4530 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 24.7844, 0.4795, 0.4530

Background



This preview shows how black text looks on a background with the Yxy color 24.7844, 0.4795, 0.4530.



This preview shows how white text looks on a background with the Yxy color 24.7844, 0.4795, 0.4530.

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

24.7844, 0.4795, 0.4530

Protanopia

24.7958, 0.4366, 0.4842

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.8035, 0.3867, 0.3164

Trichromacy



Original Color

24.7844, 0.4795, 0.4530

Protanomaly

24.5906, 0.4528, 0.4725

Deuteranomaly

24.8232, 0.4738, 0.4603

Tritanomaly

24.3979, 0.4360, 0.3798

Monochromacy



Original Color

24.7844, 0.4795, 0.4530

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3133, 0.3846, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7844, 0.4795, 0.4530 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(179, 127, 10)` looks like.

```
.text, #text, p{  
    color:rgb(179, 127, 10)  
}
```

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(179, 127, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 127, 10) }
```

Border

The CSS property to change the border of an element to Yxy 24.7844, 0.4795, 0.4530 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(179, 127, 10) }
```

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

```
.border{ border-color:rgb(179, 127, 10) }
```

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

Here you see how a box with a 4 pixel rgb(179, 127, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 127, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 127, 10);  
box-shadow:4px 4px 4px 4px rgb(179, 127,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7844, 0.4795, 0.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 127, 10) }
```

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

```
.background{ background-color: rgb(179,  
127, 10) }
```

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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