

Converting Colors

$Y_{xy}(24.7315, 0.4795, 0.4471)$

Have a look what the booklet for
Yxy(24.7315, 0.4795, 0.4471)
contains.

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Color

Yxy(24.6755, 0.4791, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	B47E14
RGB	180, 126, 20
RGB Percent	71%, 49%, 8%
CMY	0.2942, 0.5058, 0.9214
CMYK	0.00, 0.30, 0.89, 0.29
HSL	40°, 80%, 39%
HSV	40°, 89%, 71%
XYZ	26.4061, 24.6755, 4.0345
YIQ	130.0620, 66.2100, -21.5180

Conversions

Conversions Part 2

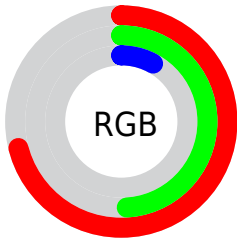
Format	Color
RYB	102, 180, 20
Decimal	11828756
CIELab	56.76, 12.64, 58.77
CIELCh	57, 60.113, 77.857
Yxy	24.6755, 0.4791, 0.4477
Android (android.graphics.Color)	4290018836 (0xFFB47E14)
YUV	130.0620, -54.2606, 43.7956
Hunter-Lab	49.6744, 7.9575, 29.9566

Details

The Yxy color **24.6755, 0.4791, 0.4477** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.3416, 0.1728, 0.1313**, and the grayscale version is **22.5266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9019, 0.4503, 0.4309**, and **9.4453, 0.4994, 0.4417** is the 20% darker color. If you saturate the color by 10%, you get **23.1241, 0.4926, 0.4461**, and if you desaturate by 10%, it is **26.3670, 0.4627, 0.4448**.

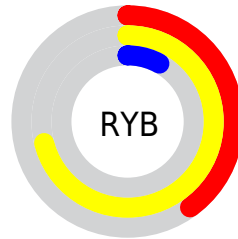
Distribution



Red (71%)

Green (49%)

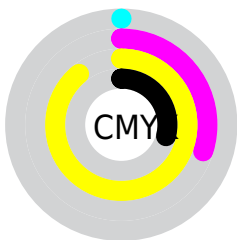
Blue (8%)



Red (40%)

Yellow (71%)

Blue (8%)

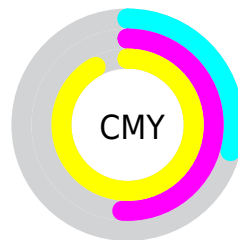


Cyan (0%)

Magenta (30%)

Yellow (89%)

Black (29%)



Cyan (29%)


Magenta (51%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6755, 0.4791, 0.4477 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 24.6755, 0.4791, 0.4477 by changing the saturation by 10% instead.


 24.6755, 0.4791,
0.4477


 24.6755, 0.4791,
0.4477


276.2180, 0.3947,
0.3936

 15.8355, 0.4969,
0.4558


 51.1303, 0.4500,
0.4312


 9.4078, 0.5195,
0.4646


 69.5138, 0.4384,
0.4239


 5.0081, 0.5370,
0.4630

 91.8473, 0.4284,
0.4173

 2.2520, 0.5514,
0.4486

 118.5152, 0.4197,
0.4114

 0.7481, 0.5799,
0.4201

 149.9018, 0.4122,
0.4062

 0.0000, 0.0000,
0.0000

 186.3915, 0.4056,

0.4015

228.3688, 0.3998,
0.3973

24.6755, 0.4791,
0.4477

24.6755, 0.4791,
0.4477

23.1241, 0.4926,
0.4461

26.3670, 0.4627,
0.4448

22.9547, 0.4942,
0.4458

28.2093, 0.4439,
0.4371

30.2125, 0.4234,
0.4255

32.3840, 0.4023,
0.4110

34.7308, 0.3816,
0.3946

■ 37.2593, 0.3618,
0.3774

■ 39.9753, 0.3433,
0.3602

■ 42.8843, 0.3264,
0.3433

■ 45.9916, 0.3111,
0.3272

Harmonies

Analogous

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



24.6755, 0.5140, 0.3762



24.6755, 0.4791, 0.4477



24.6755, 0.4028, 0.5082

Triad

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



24.6755, 0.4791, 0.4477



24.6755, 0.1642, 0.3162



24.6755, 0.2873, 0.2029

Complementary

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



24.6755, 0.4791, 0.4477



8.3416, 0.1728, 0.1313

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.



24.6755, 0.2055, 0.1822



24.6755, 0.4791, 0.4477



24.6755, 0.1449, 0.2304

Square

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



24.6755, 0.4791, 0.4477



24.6755, 0.2216, 0.4345



24.6755, 0.1589, 0.1891



24.6755, 0.3935, 0.2473

Rectangle

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



24.6755, 0.4791, 0.4477



24.6755, 0.3411, 0.5223



24.6755, 0.1589, 0.1891



24.6755, 0.2562, 0.1931

Sweetspot

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



24.6767, 0.4791, 0.4477



68.2476, 0.3591, 0.3750



10.7245, 0.5233, 0.2754



14.4074, 0.3656, 0.3808



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.



24.6767, 0.4791, 0.4477



41.1852, 0.4957, 0.4446



39.7512, 0.3934, 0.5186



9.4140, 0.3271, 0.3440



16.1531, 0.4930, 0.4467



0.6108, 0.4678, 0.4667

Inverse Universe

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



8.3416, 0.1728, 0.1313



11.5894, 0.1629, 0.1064



4.3323, 0.1661, 0.0755



8.6832, 0.2985, 0.3135



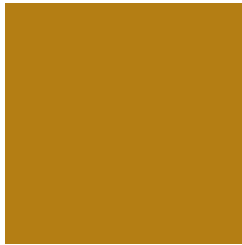
4.7224, 0.1643, 0.1115



0.2591, 0.1808, 0.1708

Previews

White Background



This preview shows how the Yxy color 24.6755, 0.4791, 0.4477 looks on a white background.

Color Contrast Check

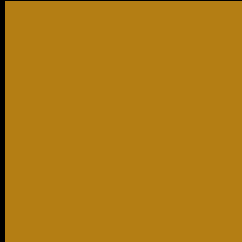
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6755, 0.4791, 0.4477 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 24.6755, 0.4791, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 24.6755, 0.4791, 0.4477.



This preview shows how white text looks on a background with the Yxy color 24.6755, 0.4791, 0.4477.

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

24.6755, 0.4791, 0.4477

Protanopia

24.8232, 0.4340, 0.4804

Deuteranopia

24.6252, 0.4684, 0.4580



Tritanopia

24.5432, 0.3885, 0.3164

Trichromacy



Original Color

24.6755, 0.4791, 0.4477

Protanomaly

24.6195, 0.4500, 0.4688

Deuteranomaly

24.7121, 0.4728, 0.4540

Tritanomaly

24.1883, 0.4345, 0.3758

Monochromacy



Original Color

24.6755, 0.4791, 0.4477

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7346, 0.3807, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6755, 0.4791, 0.4477 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(180, 126, 20)` looks like.

```
.text, #text, p{  
    color:rgb(180, 126, 20)  
}
```

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(180, 126, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 126, 20) }
```

Border

The CSS property to change the border of an element to Yxy 24.6755, 0.4791, 0.4477 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(180, 126, 20) }
```

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

```
.border{ border-color:rgb(180, 126, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 126, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 126, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 126, 20);  
box-shadow:4px 4px 4px 4px rgb(180, 126,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6755, 0.4791, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 126, 20) }
```

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

```
.background{ background-color: rgb(180,  
126, 20) }
```

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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