

Converting Colors

$Yxy(24.9227, 0.4538, 0.4472)$

Have a look what the booklet for
Yxy(24.9227, 0.4538, 0.4472)
contains.

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Color

Yxy(24.7764, 0.4542, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	AB8228
RGB	171, 130, 40
RGB Percent	67%, 51%, 16%
CMY	0.3293, 0.4902, 0.8432
CMYK	0.00, 0.24, 0.77, 0.33
HSL	41°, 62%, 41%
HSV	41°, 77%, 67%
XYZ	25.1642, 24.7764, 5.4628
YIQ	131.9990, 53.3260, -19.2980

Conversions

Conversions Part 2

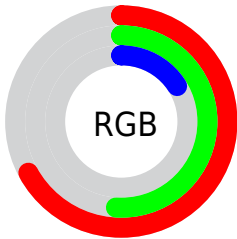
Format	Color
R_{YB}	100, 171, 40
Decimal	11239976
CIE _{Lab}	56.86, 7.02, 51.85
CIE _{LCh}	57, 52.324, 82.289
Yxy	24.7764, 0.4542, 0.4472
Android (android.graphics.Color)	4289430056 (0xFFAB8228)
YUV	131.9990, -45.3555, 34.2039
Hunter-Lab	49.7759, 3.1329, 28.3362

Details

The Yxy color **24.7764, 0.4542, 0.4472** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.2809, 0.1856, 0.1542**, and the grayscale version is **23.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4627, 0.4281, 0.4278**, and **9.4623, 0.4785, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **23.2981, 0.4701, 0.4518**, and if you desaturate by 10%, it is **26.3828, 0.4359, 0.4380**.

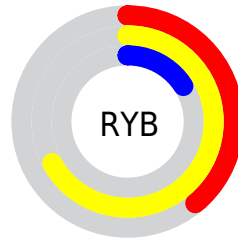
Distribution



Red (67%)

Green (51%)

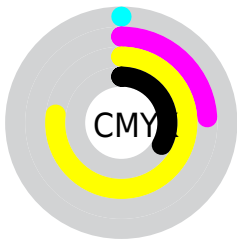
Blue (16%)



Red (39%)

Yellow (67%)

Blue (16%)

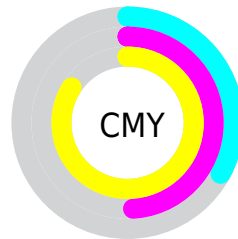


Cyan (0%)

Magenta (24%)

Yellow (77%)

Black (33%)



Cyan (33%)

Magenta (49%)

Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7764, 0.4542, 0.4472 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 24.7764, 0.4542, 0.4472 by changing the saturation by 10% instead.


 24.7764, 0.4542,
0.4472


 24.7764, 0.4542,
0.4472


 276.7226, 0.3811,
0.3892


 15.9105, 0.4706,
0.4586

 51.2942, 0.4283,
0.4277

 9.4609, 0.4893,
0.4700


 69.7150, 0.4183,
0.4198


 5.0430, 0.5153,
0.4847

 92.0896, 0.4097,
0.4129

 2.2725, 0.5236,
0.4764

 118.8023, 0.4023,
0.4069

 0.7591, 0.5408,
0.4592

 150.2375, 0.3959,
0.4016

 0.0000, 0.0000,
0.0000

 186.7797, 0.3904,

0.3970

228.8133, 0.3855,
0.3929

■ 24.7764, 0.4542,
0.4472

■ 24.7764, 0.4542,
0.4472

■ 23.2981, 0.4701,
0.4518

■ 26.3828, 0.4359,
0.4380

■ 21.9346, 0.4832,
0.4517

■ 28.1207, 0.4162,
0.4252

■ 21.4932, 0.4874,
0.4512

■ 29.9977, 0.3959,
0.4097

■ 32.0195, 0.3760,
0.3927

■ 34.1911, 0.3569,
0.3749

■ 36.5175, 0.3391,
0.3572

■ 39.0033, 0.3227,
0.3399

■ 41.6527, 0.3078,
0.3236

■ 44.4698, 0.2945,
0.3082

Harmonies

Analogous

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



24.7764, 0.4891, 0.3846



24.7764, 0.4542, 0.4472



24.7764, 0.3841, 0.4916

Triad

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



24.7764, 0.4542, 0.4472



24.7764, 0.1761, 0.3062



24.7764, 0.3043, 0.2208

Complementary

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



24.7764, 0.4542, 0.4472



9.2809, 0.1856, 0.1542

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.



24.7764, 0.2268, 0.1985



24.7764, 0.4542, 0.4472



24.7764, 0.1621, 0.2354

Square

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



24.7764, 0.4542, 0.4472



24.7764, 0.2240, 0.4050



24.7764, 0.1791, 0.2017



24.7764, 0.3972, 0.2642

Rectangle

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



24.7764, 0.4542, 0.4472



24.7764, 0.3284, 0.4936



24.7764, 0.1791, 0.2017



24.7764, 0.2755, 0.2108

Sweetspot

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



24.7776, 0.4542, 0.4472



62.5205, 0.3511, 0.3692



10.7794, 0.4913, 0.2778



13.6229, 0.3575, 0.3755



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.7776, 0.4542, 0.4472



39.9812, 0.4795, 0.4521



35.4917, 0.3860, 0.5077



8.9006, 0.3270, 0.3445



16.2947, 0.4865, 0.4519



0.5452, 0.4618, 0.4715

Inverse Universe

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



9.2809, 0.1856, 0.1542



11.3755, 0.1672, 0.1159



5.5490, 0.1865, 0.1012



8.1512, 0.2986, 0.3130



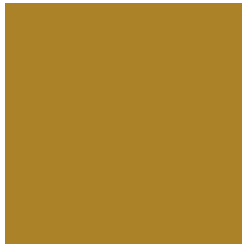
4.2585, 0.1627, 0.1056



0.2177, 0.1803, 0.1691

Previews

White Background



This preview shows how the Yxy color 24.7764, 0.4542, 0.4472 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 24.7764, 0.4542, 0.4472 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 24.7764, 0.4542, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 24.7764, 0.4542, 0.4472.



This preview shows how white text looks on a background with the Yxy color 24.7764, 0.4542, 0.4472.

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

24.7764, 0.4542, 0.4472

Protanopia

24.8308, 0.4235, 0.4674

Deuteranopia

24.7764, 0.4542, 0.4472



Tritanopia

24.6605, 0.3706, 0.3144

Trichromacy



Original Color

24.7764, 0.4542, 0.4472

Protanomaly

24.6839, 0.4359, 0.4594

Deuteranomaly

24.7764, 0.4542, 0.4472

Tritanomaly

24.4111, 0.4084, 0.3680

Monochromacy



Original Color

24.7764, 0.4542, 0.4472

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2444, 0.3668, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7764, 0.4542, 0.4472 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(171, 130, 40)` looks like.

```
.text, #text, p{  
    color:rgb(171, 130, 40)  
}
```

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(171, 130, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 130, 40) }
```

Border

The CSS property to change the border of an element to Yxy 24.7764, 0.4542, 0.4472 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(171, 130, 40) }
```

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

```
.border{ border-color:rgb(171, 130, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 130, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 130, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 130, 40);  
box-shadow:4px 4px 4px 4px rgb(171, 130,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7764, 0.4542, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 130, 40) }
```

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

```
.background{ background-color: rgb(171,  
130, 40) }
```

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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