

Converting Colors

$Y_{xy}(25.1588, 0.4428, 0.4788)$

Have a look what the booklet for
Yxy(25.1588, 0.4428, 0.4788)
contains.

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Color

$Y_{xy}(25.2997, 0.4422, 0.4793)$

Conversions

Conversions Part 1

Format	Color
Hex	9F8910
RGB	159, 137, 16
RGB Percent	62%, 54%, 6%
CMY	0.3764, 0.4628, 0.9372
CMYK	0.00, 0.14, 0.90, 0.38
HSL	51°, 82%, 34%
HSV	51°, 90%, 62%
XYZ	23.3414, 25.2997, 4.1436
YIQ	129.7840, 51.9530, -32.9670

Conversions

Conversions Part 2

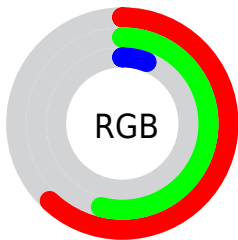
Format	Color
R_{YB}	42, 159, 16
Decimal	10455312
CIE Lab	57.37, -3.12, 59.22
CIE LCh	57, 59.304, 93.018
Yxy	25.2997, 0.4422, 0.4793
Android (android.graphics.Color)	4288645392 (0xFF9F8910)
YUV	129.7840, -56.0955, 25.6224
Hunter-Lab	50.2988, -5.1892, 30.3249

Details

The Yxy color **25.2997, 0.4422, 0.4793** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.0037, 0.1615, 0.0902**, and the grayscale version is **22.4333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1004, 0.4211, 0.4539**, and **9.8630, 0.4459, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **24.5751, 0.4489, 0.4817**, and if you desaturate by 10%, it is **26.0718, 0.4333, 0.4735**.

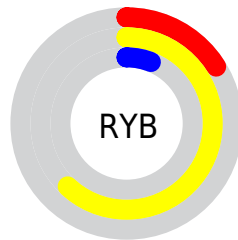
Distribution



Red (62%)

Green (54%)

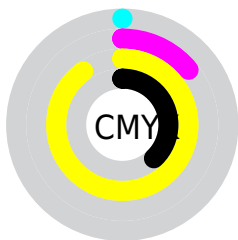
Blue (6%)



Red (16%)

Yellow (62%)

Blue (6%)

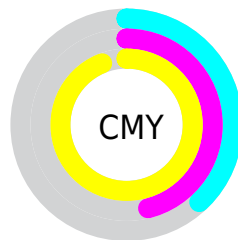


Cyan (0%)

Magenta (14%)

Yellow (90%)

Black (38%)



Cyan (38%)

Magenta (46%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2997, 0.4422, 0.4793 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 25.2997, 0.4422, 0.4793 by changing the saturation by 10% instead.


 25.2997, 0.4422,
0.4793


 25.2997, 0.4422,
0.4793


279.3272, 0.3791,
0.4042


 16.3005, 0.4539,
0.4944


 52.1430, 0.4214,
0.4538


 9.7370, 0.4679,
0.5129


 70.7559, 0.4127,
0.4435

 5.2250, 0.4747,
0.5253

 93.3421, 0.4052,
0.4346

 2.3798, 0.4709,
0.5291

 120.2861, 0.3986,
0.4268

 0.8155, 0.4615,
0.5385

 151.9722, 0.3928,
0.4200

 0.0000, 0.0000,
0.0000

 188.7848, 0.3877,

0.4141

231.1083, 0.3831,
0.4088

25.2997, 0.4422,
0.4793

25.2997, 0.4422,
0.4793

24.5751, 0.4489,
0.4817

26.0718, 0.4333,
0.4735

24.5700, 0.4490,
0.4817

26.9002, 0.4217,
0.4632

27.7917, 0.4080,
0.4491

28.7509, 0.3926,
0.4318

29.7819, 0.3763,
0.4123

■ 30.8883, 0.3597,
0.3915

■ 32.0736, 0.3433,
0.3703

■ 33.3409, 0.3275,
0.3492

■ 34.6932, 0.3126,
0.3289

Harmonies

Analogous

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



25.2997, 0.4999, 0.4117



25.2997, 0.4422, 0.4793



25.2997, 0.3562, 0.5178

Triad

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



25.2997, 0.4422, 0.4793



25.2997, 0.1528, 0.2686



25.2997, 0.3393, 0.2246

Complementary

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



25.2997, 0.4422, 0.4793



4.0037, 0.1615, 0.0902

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.



25.2997, 0.2440, 0.1917



25.2997, 0.4422, 0.4793



25.2997, 0.1507, 0.2070

Square

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



25.2997, 0.4422, 0.4793



25.2997, 0.1903, 0.3729



25.2997, 0.1805, 0.1843



25.2997, 0.4418, 0.2777

Rectangle

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



25.2997, 0.4422, 0.4793



25.2997, 0.2940, 0.5032



25.2997, 0.1805, 0.1843



25.2997, 0.3049, 0.2110

Sweetspot

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



25.3009, 0.4422, 0.4793



55.7971, 0.3557, 0.3864



7.8969, 0.5831, 0.3097



12.4311, 0.3609, 0.3932



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.3009, 0.4422, 0.4793



43.7552, 0.4496, 0.4812



28.2457, 0.3653, 0.5403



7.5462, 0.3264, 0.3478



19.4480, 0.4487, 0.4819



0.3905, 0.4353, 0.4925

Inverse Universe

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



4.0037, 0.1615, 0.0902



5.5064, 0.1534, 0.0721



3.9546, 0.1872, 0.0867



6.5921, 0.2988, 0.3095



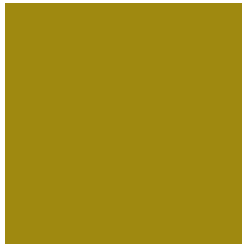
2.5509, 0.1542, 0.0752



0.0865, 0.1690, 0.1283

Previews

White Background



This preview shows how the Yxy color 25.2997, 0.4422, 0.4793 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 25.2997, 0.4422, 0.4793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

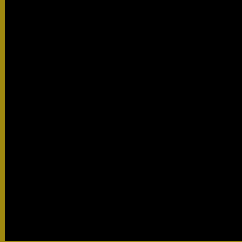
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2997, 0.4422, 0.4793

Background



This preview shows how black text looks on a background with the Yxy color 25.2997, 0.4422, 0.4793.

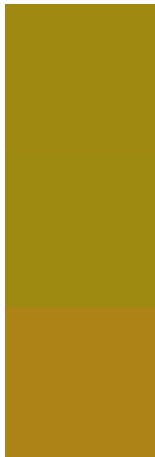


This preview shows how white text looks on a background with the Yxy color 25.2997, 0.4422, 0.4793.

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

25.2997, 0.4422, 0.4793

Protanopia

25.2823, 0.4374, 0.4831

Deuteranopia

25.2892, 0.4651, 0.4574



Tritanopia

25.2004, 0.3492, 0.3138

Trichromacy



Original Color

25.2997, 0.4422, 0.4793

Protanomaly

25.3825, 0.4386, 0.4822

Deuteranomaly

25.2606, 0.4576, 0.4647

Tritanomaly

24.9154, 0.3960, 0.3884

Monochromacy



Original Color

25.2997, 0.4422, 0.4793

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.1590, 0.3706, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2997, 0.4422, 0.4793 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(159, 137, 16)` looks like.

```
.text, #text, p{  
    color:rgb(159, 137, 16)  
}
```

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(159, 137, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 137, 16) }
```

Border

The CSS property to change the border of an element to Yxy 25.2997, 0.4422, 0.4793 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(159, 137, 16) }
```

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

```
.border{ border-color:rgb(159, 137, 16) }
```

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

Here you see how a box with a 4 pixel rgb(159, 137, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 137, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 137, 16);  
box-shadow:4px 4px 4px 4px rgb(159, 137,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2997, 0.4422, 0.4793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 137, 16) }
```

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

```
.background{ background-color: rgb(159,  
137, 16) }
```

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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