

Converting Colors

$Y_{xy}(25.3991, 0.4412, 0.4777)$

Have a look what the booklet for
Yxy(25.3991, 0.4412, 0.4777)
contains.

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Color

Yxy(25.3128, 0.4410, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	9F8914
RGB	159, 137, 20
RGB Percent	62%, 54%, 8%
CMY	0.3764, 0.4628, 0.9217
CMYK	0.00, 0.14, 0.87, 0.38
HSL	50°, 78%, 35%
HSV	50°, 87%, 62%
XYZ	23.3730, 25.3128, 4.3142
YIQ	130.2400, 50.6690, -31.7230

Conversions

Conversions Part 2

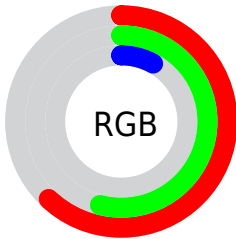
Format	Color
R _Y B	46, 159, 20
Decimal	10455316
CIE Lab	57.38, -3.04, 58.33
CIE LCh	57, 58.411, 92.979
Yxy	25.3128, 0.4410, 0.4776
Android (android.graphics.Color)	4288645396 (0xFF9F8914)
YUV	130.2400, -54.3483, 25.2225
Hunter-Lab	50.3118, -5.1213, 30.1342

Details

The Yxy color **25.3128, 0.4410, 0.4776** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.3081, 0.1641, 0.0959**, and the grayscale version is **22.5959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1287, 0.4200, 0.4523**, and **9.8630, 0.4459, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **24.5648, 0.4482, 0.4804**, and if you desaturate by 10%, it is **26.1147, 0.4313, 0.4707**.

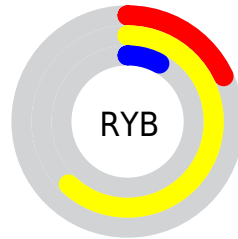
Distribution



Red (62%)

Green (54%)

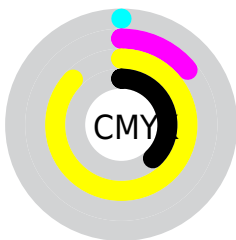
Blue (8%)



Red (18%)

Yellow (62%)

Blue (8%)

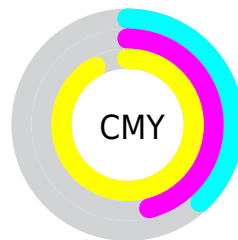


Cyan (0%)

Magenta (14%)

Yellow (87%)

Black (38%)



Cyan (38%)


Magenta (46%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3128, 0.4410, 0.4776 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 25.3128, 0.4410, 0.4776 by changing the saturation by 10% instead.


 25.3128, 0.4410,
0.4776


 25.3128, 0.4410,
0.4776


279.3921, 0.3782,
0.4031

 16.3103, 0.4529,
0.4927


 52.1642, 0.4201,
0.4522


 9.7440, 0.4667,
0.5109


 70.7819, 0.4115,
0.4420


 5.2295, 0.4750,
0.5250

 93.3734, 0.4040,
0.4331

 2.3826, 0.4713,
0.5287

 120.3231, 0.3975,
0.4254

 0.8169, 0.4623,
0.5377

 152.0155, 0.3917,
0.4187

 0.0000, 0.0000,
0.0000

 188.8348, 0.3867,

0.4129

231.1656, 0.3822,
0.4077

25.3128, 0.4410,
0.4776

25.3128, 0.4410,
0.4776

24.5648, 0.4482,
0.4804

26.1147, 0.4313,
0.4707

24.3774, 0.4499,
0.4810

26.9753, 0.4190,
0.4595

27.9011, 0.4046,
0.4446

28.8965, 0.3888,
0.4267

29.9656, 0.3723,
0.4069

■ 31.1119, 0.3556,
0.3860

■ 32.3388, 0.3393,
0.3648

■ 33.6494, 0.3237,
0.3440

■ 35.0467, 0.3091,
0.3240

Harmonies

Analogous

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



25.3128, 0.4976, 0.4111



25.3128, 0.4410, 0.4776



25.3128, 0.3561, 0.5149

Triad

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



25.3128, 0.4410, 0.4776



25.3128, 0.1547, 0.2698



25.3128, 0.3389, 0.2258

Complementary

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



25.3128, 0.4410, 0.4776



4.3081, 0.1641, 0.0959

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.



25.3128, 0.2449, 0.1933



25.3128, 0.4410, 0.4776



25.3128, 0.1525, 0.2087

Square

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



25.3128, 0.4410, 0.4776



25.3128, 0.1921, 0.3725



25.3128, 0.1820, 0.1861



25.3128, 0.4397, 0.2784

Rectangle

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



25.3128, 0.4410, 0.4776



25.3128, 0.2947, 0.5003



25.3128, 0.1820, 0.1861



25.3128, 0.3050, 0.2124

Sweetspot

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



25.3140, 0.4410, 0.4776



55.9038, 0.3540, 0.3840



8.0479, 0.5743, 0.3083



12.4486, 0.3594, 0.3908



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.



25.3140, 0.4410, 0.4776



43.4088, 0.4506, 0.4804



28.3430, 0.3658, 0.5373



7.5413, 0.3264, 0.3477



19.2985, 0.4496, 0.4812



0.3888, 0.4358, 0.4922

Inverse Universe

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



4.3081, 0.1641, 0.0959



5.5550, 0.1535, 0.0726



4.1727, 0.1904, 0.0905



6.5966, 0.2988, 0.3096



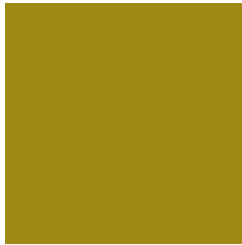
2.5749, 0.1544, 0.0759



0.0880, 0.1694, 0.1300

Previews

White Background



This preview shows how the Yxy color 25.3128, 0.4410, 0.4776 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 25.3128, 0.4410, 0.4776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

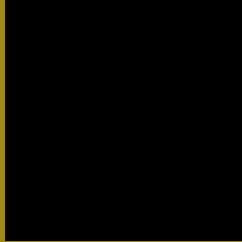
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3128, 0.4410, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 25.3128, 0.4410, 0.4776.

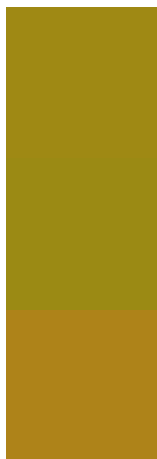


This preview shows how white text looks on a background with the Yxy color 25.3128, 0.4410, 0.4776.

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

25.3128, 0.4410, 0.4776

Protanopia

25.1960, 0.4350, 0.4822

Deuteranopia

25.3015, 0.4640, 0.4559



Tritanopia

25.2004, 0.3492, 0.3138

Trichromacy



Original Color

25.3128, 0.4410, 0.4776

Protanomaly

25.2954, 0.4362, 0.4813

Deuteranomaly

25.2719, 0.4565, 0.4633

Tritanomaly

24.9333, 0.3949, 0.3869

Monochromacy



Original Color

25.3128, 0.4410, 0.4776

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.1760, 0.3695, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3128, 0.4410, 0.4776 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(159, 137, 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(159, 137, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 137, 20) }
```

Border

The CSS property to change the border of an element to Yxy 25.3128, 0.4410, 0.4776 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, 20) }
```

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

```
.border{ border-color:rgb(159, 137, 20) }
```

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, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 137, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 137, 20);  
box-shadow:4px 4px 4px 4px rgb(159, 137,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3128, 0.4410, 0.4776 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, 20) }
```

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

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