

Converting Colors

$Y_{xy}(20.2640, 0.4345, 0.4816)$

Have a look what the booklet for
Yxy(20.2640, 0.4345, 0.4816)
contains.

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Color

Yxy(20.2864, 0.4340, 0.4822)

Conversions

Conversions Part 1

Format	Color
Hex	8C7D12
RGB	140, 125, 18
RGB Percent	55%, 49%, 7%
CMY	0.4510, 0.5098, 0.9294
CMYK	0.00, 0.11, 0.87, 0.45
HSL	53°, 77%, 31%
HSV	53°, 87%, 55%
XYZ	18.2586, 20.2864, 3.5255
YIQ	117.2870, 43.2870, -30.0970

Conversions

Conversions Part 2

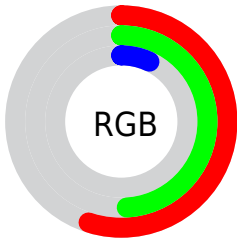
Format	Color
R _Y B	35, 140, 18
Decimal	9207058
CIE Lab	52.16, -5.29, 53.77
CIE LCh	52, 54.030, 95.619
Yxy	20.2864, 0.4340, 0.4822
Android (android.graphics.Color)	4287397138 (0xFF8C7D12)
YUV	117.2870, -48.9485, 19.9193
Hunter-Lab	45.0404, -6.4600, 26.8874

Details

The Yxy color **20.2864, 0.4340, 0.4822** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.1102, 0.1637, 0.0921**, and the grayscale version is **18.0287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8090, 0.4138, 0.4534**, and **7.2862, 0.4374, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **19.8203, 0.4404, 0.4861**, and if you desaturate by 10%, it is **20.7877, 0.4252, 0.4744**.

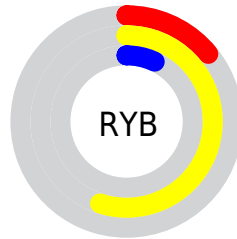
Distribution



Red (55%)

Green (49%)

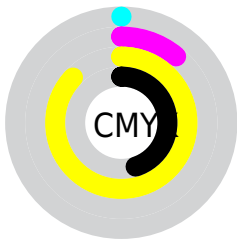
Blue (7%)



Red (14%)

Yellow (55%)

Blue (7%)

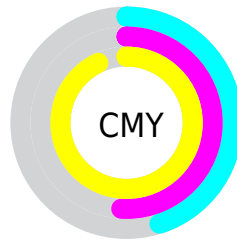


Cyan (0%)

Magenta (11%)

Yellow (87%)

Black (45%)



Cyan (45%)


Magenta (51%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2864, 0.4340, 0.4822 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 20.2864, 0.4340, 0.4822 by changing the saturation by 10% instead.


 20.2864, 0.4340,
0.4822


 20.2864, 0.4340,
0.4822


 253.4614, 0.3726,
0.4013


 12.6034, 0.4457,
0.5000


 43.8968, 0.4133,
0.4535


 7.1560, 0.4639,
0.5274


 60.5931, 0.4048,
0.4423


 3.5599, 0.4628,
0.5372

 81.0625, 0.3975,
0.4327

 1.4305, 0.4540,
0.5460

 105.6895, 0.3911,
0.4246

 0.2391, 0.2909,
0.7091


 134.8585, 0.3855,
0.4175


 0.0000, 0.0000,
0.0000

 168.9539, 0.3807,

0.4114


 208.3600, 0.3764,
0.4060


 20.2864, 0.4340,
0.4822


 20.2864, 0.4340,
0.4822


 19.8203, 0.4404,
0.4861


 20.7877, 0.4252,
0.4744

 19.6894, 0.4422,
0.4871

 21.3280, 0.4139,
0.4625

 21.9119, 0.4006,
0.4470

 22.5426, 0.3858,
0.4286

 23.2231, 0.3701,
0.4083

■ 23.9559, 0.3541,
0.3869

■ 24.7434, 0.3383,
0.3652

■ 25.5878, 0.3231,
0.3438

■ 26.4912, 0.3087,
0.3232

Harmonies

Analogous

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



20.2864, 0.4937, 0.4171



20.2864, 0.4340, 0.4822



20.2864, 0.3480, 0.5144

Triad

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



20.2864, 0.4340, 0.4822



20.2864, 0.1537, 0.2629



20.2864, 0.3480, 0.2301

Complementary

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



20.2864, 0.4340, 0.4822



3.1102, 0.1637, 0.0921

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.



20.2864, 0.2523, 0.1956



20.2864, 0.4340, 0.4822



20.2864, 0.1543, 0.2058

Square

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



20.2864, 0.4340, 0.4822



20.2864, 0.1877, 0.3622



20.2864, 0.1866, 0.1861



20.2864, 0.4468, 0.2839

Rectangle

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



20.2864, 0.4340, 0.4822



20.2864, 0.2869, 0.4946



20.2864, 0.1866, 0.1861



20.2864, 0.3138, 0.2161

Sweetspot

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



20.2874, 0.4340, 0.4822



42.3123, 0.3531, 0.3856



6.1256, 0.5787, 0.3130



9.6567, 0.3580, 0.3922



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.2874, 0.4340, 0.4822



34.5531, 0.4427, 0.4867



21.2485, 0.3612, 0.5392



5.7418, 0.3261, 0.3480



17.5130, 0.4420, 0.4872



0.1300, 0.4297, 0.4970

Inverse Universe

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



3.1102, 0.1637, 0.0921



3.9222, 0.1526, 0.0693



3.3744, 0.1970, 0.0952



4.9850, 0.2991, 0.3092



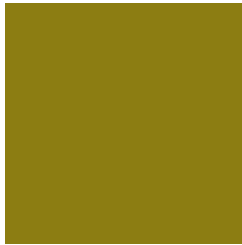
2.0621, 0.1533, 0.0719



0.0248, 0.1663, 0.1186

Previews

White Background



This preview shows how the Yxy color 20.2864, 0.4340, 0.4822 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 Xy color 20.2864, 0.4340, 0.4822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

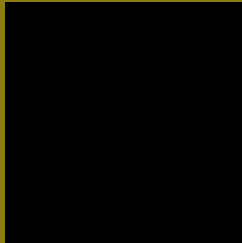
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2864, 0.4340, 0.4822

Background



This preview shows how black text looks on a background with the Yxy color 20.2864, 0.4340, 0.4822.



This preview shows how white text looks on a background with the Yxy color 20.2864, 0.4340, 0.4822.

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

20.2864, 0.4340, 0.4822

Protanopia

20.2864, 0.4340, 0.4822

Deuteranopia

20.1868, 0.4631, 0.4552



Tritanopia

20.1745, 0.3419, 0.3138

Trichromacy



Original Color

20.2864, 0.4340, 0.4822

Protanomaly

20.2864, 0.4340, 0.4822

Deuteranomaly

20.3082, 0.4523, 0.4654

Tritanomaly

19.7948, 0.3866, 0.3870

Monochromacy



Original Color

20.2864, 0.4340, 0.4822

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3870, 0.3661, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2864, 0.4340, 0.4822 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(140, 125, 18)` looks like.

```
.text, #text, p{  
    color:rgb(140, 125, 18)  
}
```

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(140, 125, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 125, 18) }
```

Border

The CSS property to change the border of an element to Yxy 20.2864, 0.4340, 0.4822 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(140, 125, 18) }
```

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

```
.border{ border-color:rgb(140, 125, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 125, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 125, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 125, 18);  
box-shadow:4px 4px 4px 4px rgb(140, 125,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2864, 0.4340, 0.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 125, 18) }
```

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

```
.background{ background-color: rgb(140,  
125, 18) }
```

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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