

Converting Colors

$Y_{xy}(20.8631, 0.4284, 0.4901)$

Have a look what the booklet for
Yxy(20.8631, 0.4284, 0.4901)
contains.

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Color

Yxy(20.8733, 0.4288, 0.4896)

Conversions

Conversions Part 1

Format	Color
Hex	8A800E
RGB	138, 128, 14
RGB Percent	54%, 50%, 5%
CMY	0.4588, 0.4980, 0.9453
CMYK	0.00, 0.07, 0.90, 0.46
HSL	55°, 82%, 30%
HSV	55°, 90%, 54%
XYZ	18.2812, 20.8733, 3.4789
YIQ	117.9940, 42.5540, -33.3340

Conversions

Conversions Part 2

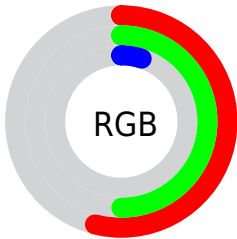
Format	Color
R_{YB}	25, 138, 14
Decimal	9076750
CIE _{Lab}	52.81, -7.98, 55.18
CIE _{LCh}	53, 55.749, 98.227
Yxy	20.8733, 0.4288, 0.4896
Android (android.graphics.Color)	4287266830 (0xFF8A800E)
YUV	117.9940, -51.2690, 17.5453
Hunter-Lab	45.6873, -8.5283, 27.4664

Details

The Yxy color **20.8733, 0.4288, 0.4896** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.5802, 0.1594, 0.0807**, and the grayscale version is **18.2678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7257, 0.4102, 0.4583**, and **7.4768, 0.4292, 0.4974** is the 20% darker color. If you saturate the color by 10%, you get **20.5540, 0.4338, 0.4937**, and if you desaturate by 10%, it is **21.2176, 0.4220, 0.4825**.

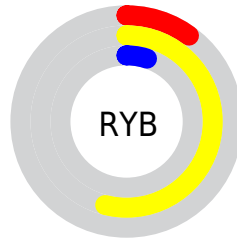
Distribution



Red (54%)

Green (50%)

Blue (5%)



Red (10%)

Yellow (54%)

Blue (5%)

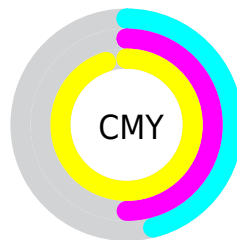


Cyan (0%)

Magenta (7%)

Yellow (90%)

Black (46%)



Cyan (46%)

Magenta (50%)

Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8733, 0.4288, 0.4896 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 20.8733, 0.4288, 0.4896 by changing the saturation by 10% instead.


 20.8733, 0.4288,
0.4896


 20.8733, 0.4288,
0.4896


 256.6044, 0.3712,
0.4045


 13.0314, 0.4391,
0.5085


 44.8766, 0.4098,
0.4593


 7.4502, 0.4552,
0.5378


 61.8068, 0.4019,
0.4475


 3.7452, 0.4508,
0.5492

 82.5352, 0.3950,
0.4375

 1.5321, 0.4378,
0.5622

 107.4462, 0.3889,
0.4289

 0.3111, 0.2450,
0.7550

 136.9242, 0.3836,
0.4215

 0.0000, 0.0000,
0.0000

 171.3537, 0.3790,

0.4151

211.1189, 0.3749,
0.4095

20.8733, 0.4288,
0.4896

20.8733, 0.4288,
0.4896

20.5540, 0.4338,
0.4937

21.2176, 0.4220,
0.4825

20.5506, 0.4338,
0.4937

21.5944, 0.4126,
0.4713

22.0083, 0.4010,
0.4562

22.4626, 0.3876,
0.4380

22.9600, 0.3729,
0.4175

■ 23.5030, 0.3576,
0.3955

■ 24.0941, 0.3422,
0.3730

■ 24.7354, 0.3271,
0.3506

■ 25.4288, 0.3126,
0.3288

Harmonies

Analogous

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



20.8733, 0.4933, 0.4240



20.8733, 0.4288, 0.4896



20.8733, 0.3400, 0.5183

Triad

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



20.8733, 0.4288, 0.4896



20.8733, 0.1498, 0.2544



20.8733, 0.3579, 0.2324

Complementary

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



20.8733, 0.4288, 0.4896



2.5802, 0.1594, 0.0807

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.



20.8733, 0.2584, 0.1954



20.8733, 0.4288, 0.4896



20.8733, 0.1533, 0.2003

Square

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



20.8733, 0.4288, 0.4896



20.8733, 0.1807, 0.3526



20.8733, 0.1887, 0.1834



20.8733, 0.4571, 0.2882

Rectangle

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



20.8733, 0.4288, 0.4896



20.8733, 0.2780, 0.4931



20.8733, 0.1887, 0.1834



20.8733, 0.3226, 0.2176

Sweetspot

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



20.8743, 0.4288, 0.4896



41.6523, 0.3540, 0.3903



5.7844, 0.5998, 0.3210



9.2772, 0.3585, 0.3968



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8743, 0.4288, 0.4896



36.1076, 0.4342, 0.4935



20.2064, 0.3536, 0.5480



5.7771, 0.3260, 0.3489



18.8476, 0.4338, 0.4938



0.1347, 0.4259, 0.5000

Inverse Universe

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



2.5802, 0.1594, 0.0807



3.5597, 0.1515, 0.0654



3.2941, 0.2015, 0.0953



4.9530, 0.2991, 0.3083



1.9150, 0.1521, 0.0674



0.0201, 0.1611, 0.1000

Previews

White Background



This preview shows how the Yxy color 20.8733, 0.4288, 0.4896 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 20.8733, 0.4288, 0.4896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

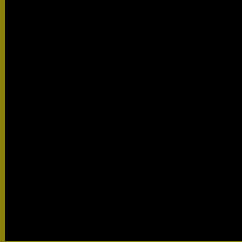
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8733, 0.4288, 0.4896

Background



This preview shows how black text looks on a background with the Yxy color 20.8733, 0.4288, 0.4896.



This preview shows how white text looks on a background with the Yxy color 20.8733, 0.4288, 0.4896.

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

20.8733, 0.4288, 0.4896

Protanopia

20.7016, 0.4368, 0.4839

Deuteranopia

20.8618, 0.4631, 0.4566



Tritanopia

20.8632, 0.3361, 0.3138

Trichromacy



Original Color

20.8733, 0.4288, 0.4896

Protanomaly

20.8705, 0.4342, 0.4860

Deuteranomaly

20.7922, 0.4503, 0.4690

Tritanomaly

20.4468, 0.3821, 0.3905

Monochromacy



Original Color

20.8733, 0.4288, 0.4896

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.8582, 0.3661, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8733, 0.4288, 0.4896 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(138, 128, 14)` looks like.

```
.text, #text, p{  
    color:rgb(138, 128, 14)  
}
```

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(138, 128, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 128, 14) }
```

Border

The CSS property to change the border of an element to Yxy 20.8733, 0.4288, 0.4896 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(138, 128, 14) }
```

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

```
.border{ border-color:rgb(138, 128, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 128, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 128, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 128, 14);  
box-shadow:4px 4px 4px 4px rgb(138, 128,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8733, 0.4288, 0.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 128, 14) }
```

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

```
.background{ background-color: rgb(138,  
128, 14) }
```

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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