

Converting Colors

$Y_{xy}(20.6322, 0.4403, 0.4886)$

Have a look what the booklet for
Yxy(20.6322, 0.4403, 0.4886)
contains.

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Color

Yxy(20.6725, 0.4401, 0.4887)

Conversions

Conversions Part 1

Format	Color
Hex	8E7E00
RGB	142, 126, 0
RGB Percent	56%, 49%, 0%
CMY	0.4431, 0.5059, 0.9996
CMYK	0.00, 0.11, 1.00, 0.44
HSL	53°, 100%, 28%
HSV	53°, 100%, 56%
XYZ	18.6167, 20.6725, 3.0118
YIQ	116.4200, 49.9820, -35.7940

Conversions

Conversions Part 2

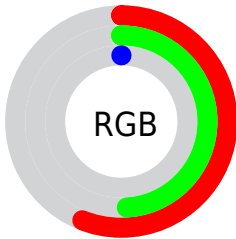
Format	Color
R_{YB}	18, 142, 0
Decimal	9338368
CIE Lab	52.59, -5.27, 57.77
CIE LCh	53, 58.011, 95.211
Yxy	20.6725, 0.4401, 0.4887
Android (android.graphics.Color)	4287528448 (0xFF8E7E00)
YUV	116.4200, -57.3951, 22.4337
Hunter-Lab	45.4670, -6.4797, 27.8994

Details

The Yxy color **20.6725, 0.4401, 0.4887** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.3274, 0.1529, 0.0702**, and the grayscale version is **17.7737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3763, 0.4196, 0.4602**, and **7.3825, 0.4413, 0.4878** is the 20% darker color. If you saturate the color by 10%, you get **20.6702, 0.4401, 0.4887**, and if you desaturate by 10%, it is **21.1185, 0.4343, 0.4852**.

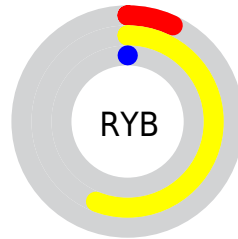
Distribution



Red (56%)

Green (49%)

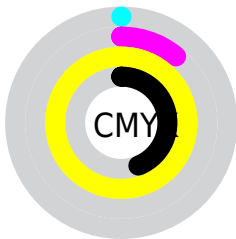
Blue (0%)



Red (7%)

Yellow (56%)

Blue (0%)

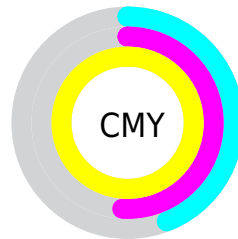


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6725, 0.4401, 0.4887 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 20.6725, 0.4401, 0.4887 by changing the saturation by 10% instead.

20.6725, 0.4401,
0.4887

20.6725, 0.4401,
0.4887

255.5329, 0.3771,
0.4060

12.8848, 0.4512,
0.5057

44.5418, 0.4195,
0.4601

7.3493, 0.4682,
0.5318

61.3923, 0.4108,
0.4487

3.6815, 0.4632,
0.5368

82.0325, 0.4032,
0.4389

1.4970, 0.4547,
0.5453

106.8467, 0.3966,
0.4304


0.2866, 0.3341,
0.6659

136.2195, 0.3907,
0.4230

0.0000, 0.0000,
0.0000

170.5352, 0.3856,


0.4166


 210.1782, 0.3811,
0.4110


 20.6725, 0.4401,
0.4887


 20.6725, 0.4401,
0.4887


 20.6702, 0.4401,
0.4887

 21.1185, 0.4343,
0.4852

 21.5916, 0.4266,
0.4785

 22.1035, 0.4163,
0.4676

 22.6583, 0.4038,
0.4529

 23.2594, 0.3895,
0.4351

■ 23.9098, 0.3742,
0.4151

■ 24.6122, 0.3584,
0.3937

■ 25.3693, 0.3426,
0.3717

■ 26.1834, 0.3272,
0.3499

Harmonies

Analogous

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



20.6725, 0.5040, 0.4183



20.6725, 0.4401, 0.4887



20.6725, 0.3494, 0.5271

Triad

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



20.6725, 0.4401, 0.4887



20.6725, 0.1457, 0.2590



20.6725, 0.3483, 0.2241

Complementary

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



20.6725, 0.4401, 0.4887



2.3274, 0.1529, 0.0702

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.



20.6725, 0.2472, 0.1885



20.6725, 0.4401, 0.4887



20.6725, 0.1463, 0.1991

Square

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



20.6725, 0.4401, 0.4887



20.6725, 0.1809, 0.3655



20.6725, 0.1792, 0.1788



20.6725, 0.4544, 0.2799

Rectangle

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



20.6725, 0.4401, 0.4887



20.6725, 0.2851, 0.5082



20.6725, 0.1792, 0.1788



20.6725, 0.3119, 0.2096

Sweetspot

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



20.6735, 0.4401, 0.4887



43.3120, 0.3595, 0.3952



5.7925, 0.6222, 0.3202



9.5699, 0.3654, 0.4032



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.



20.6735, 0.4401, 0.4887



36.3003, 0.4406, 0.4884



21.4018, 0.3550, 0.5562



6.1830, 0.3261, 0.3484



18.5754, 0.4400, 0.4888



0.1967, 0.4287, 0.4978

Inverse Universe

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



2.3274, 0.1529, 0.0702



3.9693, 0.1523, 0.0681



2.7535, 0.1839, 0.0787



5.3469, 0.2990, 0.3089



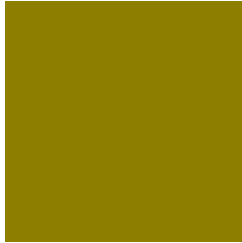
2.1019, 0.1529, 0.0705



0.0355, 0.1651, 0.1143

Previews

White Background



This preview shows how the Yxy color 20.6725, 0.4401, 0.4887 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 20.6725, 0.4401, 0.4887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

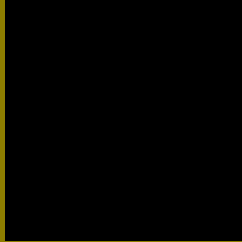
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6725, 0.4401, 0.4887

Background



This preview shows how black text looks on a background with the Yxy color 20.6725, 0.4401, 0.4887.

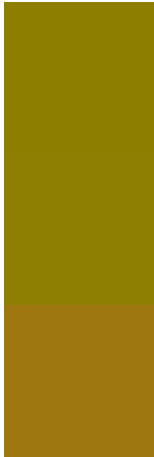


This preview shows how white text looks on a background with the Yxy color 20.6725, 0.4401, 0.4887.

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

20.6725, 0.4401, 0.4887

Protanopia

20.6747, 0.4399, 0.4884

Deuteranopia

20.6020, 0.4669, 0.4583



Tritanopia

20.6185, 0.3429, 0.3140

Trichromacy



Original Color

20.6725, 0.4401, 0.4887

Protanomaly

20.6747, 0.4399, 0.4884

Deuteranomaly

20.7133, 0.4571, 0.4698

Tritanomaly

20.1231, 0.3959, 0.3980

Monochromacy



Original Color

20.6725, 0.4401, 0.4887

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2873, 0.3743, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6725, 0.4401, 0.4887 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(142, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 126, 0)  
}
```

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(142, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6725, 0.4401, 0.4887 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(142, 126, 0) }
```

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

```
.border{ border-color:rgb(142, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(142, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6725, 0.4401, 0.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 126, 0) }
```

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

```
.background{ background-color: rgb(142,  
126, 0) }
```

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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