

Converting Colors

$Y_{xy}(20.4904, 0.4381, 0.4904)$

Have a look what the booklet for
Yxy(20.4904, 0.4381, 0.4904)
contains.

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Color

Yxy(20.4972, 0.4376, 0.4908)

Conversions

Conversions Part 1

Format	Color
Hex	8C7E00
RGB	140, 126, 0
RGB Percent	55%, 49%, 0%
CMY	0.4510, 0.5059, 1.0000
CMYK	0.00, 0.10, 1.00, 0.45
HSL	54°, 100%, 27%
HSV	54°, 100%, 55%
XYZ	18.2754, 20.4972, 2.9902
YIQ	115.8220, 48.7900, -36.2180

Conversions

Conversions Part 2

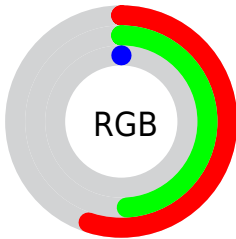
Format	Color
R_{YB}	16, 140, 0
Decimal	9207296
CIE _{Lab}	52.39, -6.22, 57.58
CIE _{LCh}	52, 57.916, 96.161
Yxy	20.4972, 0.4376, 0.4908
Android (android.graphics.Color)	4287397376 (0xFF8C7E00)
YUV	115.8220, -57.1002, 21.2041
Hunter-Lab	45.2738, -7.1752, 27.7757

Details

The Yxy color **20.4972, 0.4376, 0.4908** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.2072, 0.1525, 0.0688**, and the grayscale version is **17.5754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1045, 0.4177, 0.4614**, and **7.2862, 0.4374, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **20.4984, 0.4376, 0.4908**, and if you desaturate by 10%, it is **20.8905, 0.4321, 0.4870**.

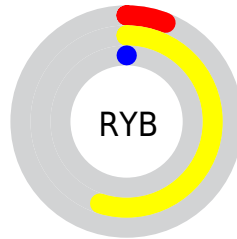
Distribution



Red (55%)

Green (49%)

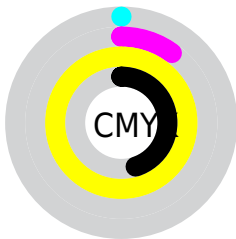
Blue (0%)



Red (6%)

Yellow (55%)

Blue (0%)

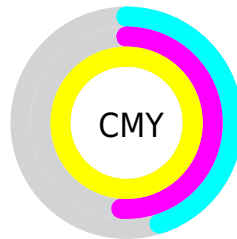


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4972, 0.4376, 0.4908 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 20.4972, 0.4376, 0.4908 by changing the saturation by 10% instead.


 20.4972, 0.4376,
0.4908

 20.4972, 0.4376,
0.4908


254.5942, 0.3759,
0.4065


 12.7570, 0.4482,
0.5083

 44.2492, 0.4175,
0.4615

 7.2614, 0.4647,
0.5353


 61.0298, 0.4090,
0.4498


 3.6261, 0.4587,
0.5413


 81.5926, 0.4016,
0.4398

 1.4667, 0.4484,
0.5516

 106.3221, 0.3951,
0.4312

 0.2651, 0.2744,
0.7256

 135.6026, 0.3894,
0.4238

 0.0000, 0.0000,
0.0000

 169.8185, 0.3843,

0.4173


 209.3542, 0.3799,
0.4116


 20.4972, 0.4376,
0.4908


 20.4972, 0.4376,
0.4908


 20.4984, 0.4376,
0.4908

 20.8905, 0.4321,
0.4870

 21.3080, 0.4248,
0.4802

 21.7618, 0.4149,
0.4692

 22.2557, 0.4027,
0.4544

 22.7929, 0.3889,
0.4364

■ 23.3765, 0.3738,
0.4162

■ 24.0091, 0.3582,
0.3946

■ 24.6931, 0.3426,
0.3724

■ 25.4307, 0.3273,
0.3504

Harmonies

Analogous

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



20.4972, 0.5028, 0.4207



20.4972, 0.4376, 0.4908



20.4972, 0.3464, 0.5274

Triad

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



20.4972, 0.4376, 0.4908



20.4972, 0.1451, 0.2562



20.4972, 0.3519, 0.2255

Complementary

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



20.4972, 0.4376, 0.4908



2.2072, 0.1525, 0.0688

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.



20.4972, 0.2499, 0.1892



20.4972, 0.4376, 0.4908



20.4972, 0.1467, 0.1978

Square

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



20.4972, 0.4376, 0.4908



20.4972, 0.1791, 0.3616



20.4972, 0.1806, 0.1785



20.4972, 0.4574, 0.2818

Rectangle

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



20.4972, 0.4376, 0.4908



20.4972, 0.2821, 0.5065



20.4972, 0.1806, 0.1785



20.4972, 0.3153, 0.2108

Sweetspot

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



20.4984, 0.4376, 0.4908



42.2576, 0.3592, 0.3960



5.6069, 0.6252, 0.3218



9.6396, 0.3650, 0.4041



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.



20.4984, 0.4376, 0.4908



36.0082, 0.4380, 0.4904



20.6402, 0.3525, 0.5583



5.7610, 0.3260, 0.3485



18.2305, 0.4375, 0.4908



0.1326, 0.4276, 0.4987

Inverse Universe

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



2.2072, 0.1525, 0.0688



3.7739, 0.1519, 0.0670



2.7341, 0.1866, 0.0802



4.9675, 0.2991, 0.3087



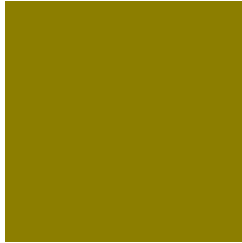
1.9768, 0.1526, 0.0693



0.0222, 0.1635, 0.1087

Previews

White Background



This preview shows how the Yxy color 20.4972, 0.4376, 0.4908 looks on a white background.

Color Contrast Check

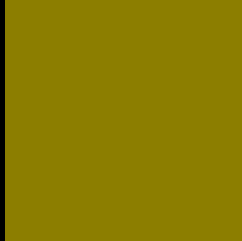
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4972, 0.4376, 0.4908 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 20.4972, 0.4376, 0.4908

Background



This preview shows how black text looks on a background with the Yxy color 20.4972, 0.4376, 0.4908.



This preview shows how white text looks on a background with the Yxy color 20.4972, 0.4376, 0.4908.

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

20.4972, 0.4376, 0.4908

Protanopia

20.5844, 0.4389, 0.4897

Deuteranopia

20.5002, 0.4657, 0.4592



Tritanopia

20.4320, 0.3404, 0.3138

Trichromacy



Original Color

20.4972, 0.4376, 0.4908

Protanomaly

20.5844, 0.4389, 0.4897

Deuteranomaly

20.5203, 0.4546, 0.4717

Tritanomaly

19.9414, 0.3932, 0.3988

Monochromacy



Original Color

20.4972, 0.4376, 0.4908

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 20.4972, 0.4376, 0.4908 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.4972, 0.4376, 0.4908 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, 126, 0) }
```

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

```
.border{ border-color:rgb(140, 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(140, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4972, 0.4376, 0.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 126, 0) }
```

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

```
.background{ background-color: rgb(140,  
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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