

Converting Colors

$Y_{xy}(20.8076, 0.4909, 0.4887)$

Have a look what the booklet for
Yxy(20.8076, 0.4909, 0.4887)
contains.

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Color

$Y_{xy}(20.9065, 0.4710, 0.4642)$

Conversions

Conversions Part 1

Format	Color
Hex	A07800
RGB	160, 120, 0
RGB Percent	63%, 47%, 0%
CMY	0.3726, 0.5294, 0.9998
CMYK	0.00, 0.25, 1.00, 0.37
HSL	45°, 100%, 31%
HSV	45°, 100%, 63%
XYZ	21.2128, 20.9065, 2.9184
YIQ	118.2800, 62.3600, -28.8400

Conversions

Conversions Part 2

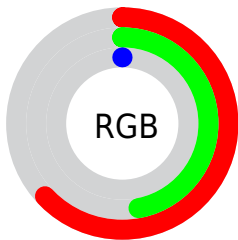
Format	Color
R_{YB}	53, 160, 0
Decimal	10516480
CIE _{Lab}	52.85, 6.53, 58.85
CIE _{LCh}	53, 59.209, 83.664
Yxy	20.9065, 0.4710, 0.4642
Android (android.graphics.Color)	4288706560 (0xFFA07800)
YUV	118.2800, -58.3120, 36.5884
Hunter-Lab	45.7236, 2.7959, 28.2222

Details

The Yxy color **20.9065, 0.4710, 0.4642** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.0578, 0.1585, 0.0905**, and the grayscale version is **18.3833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9585, 0.4434, 0.4435**, and **7.5778, 0.4822, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **20.9046, 0.4710, 0.4642**, and if you desaturate by 10%, it is **21.9273, 0.4608, 0.4636**.

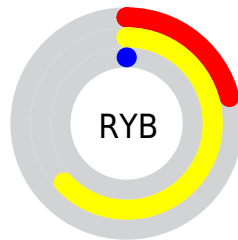
Distribution



Red (63%)

Green (47%)

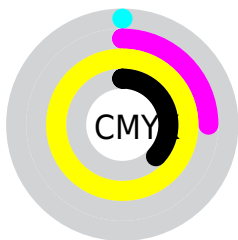
Blue (0%)



Red (21%)

Yellow (63%)

Blue (0%)

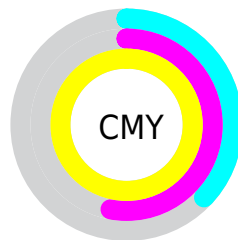


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9065, 0.4710, 0.4642 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 20.9065, 0.4710, 0.4642 by changing the saturation by 10% instead.


 20.9065, 0.4710,
0.4642


 20.9065, 0.4710,
0.4642


256.7812, 0.3904,
0.3992


 13.0557, 0.4870,
0.4747


 44.9319, 0.4436,
0.4436

 7.4669, 0.5102,
0.4898


 61.8752, 0.4325,
0.4347

 3.7558, 0.5160,
0.4840

 82.6182, 0.4229,
0.4268

 1.5379, 0.5257,
0.4743

 107.5452, 0.4145,
0.4199

 0.3152, 0.5929,
0.4071


 137.0406, 0.4073,
0.4137


 0.0000, 0.0000,
0.0000


 171.4888, 0.4010,


0.4083


 211.2742, 0.3954,
0.4035


 20.9065, 0.4710,
0.4642


 20.9065, 0.4710,
0.4642


 20.9046, 0.4710,
0.4642

 21.9273, 0.4608,
0.4636

 23.0173, 0.4484,
0.4592

 24.1907, 0.4334,
0.4503

 25.4534, 0.4165,
0.4375

 26.8104, 0.3984,
0.4217

■ 28.2662, 0.3799,
0.4039

■ 29.8249, 0.3616,
0.3850

■ 31.4903, 0.3442,
0.3659

■ 33.2659, 0.3278,
0.3470

Harmonies

Analogous

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



20.9065, 0.5187, 0.3903



20.9065, 0.4710, 0.4642



20.9065, 0.3865, 0.5224

Triad

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



20.9065, 0.4710, 0.4642



20.9065, 0.1525, 0.2940



20.9065, 0.3062, 0.2060

Complementary

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



20.9065, 0.4710, 0.4642



4.0578, 0.1585, 0.0905

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.



20.9065, 0.2152, 0.1797



20.9065, 0.4710, 0.4642



20.9065, 0.1401, 0.2150

Square

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



20.9065, 0.4710, 0.4642



20.9065, 0.2033, 0.4152



20.9065, 0.1607, 0.1807



20.9065, 0.4178, 0.2555

Rectangle

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



20.9065, 0.4710, 0.4642



20.9065, 0.3218, 0.5281



20.9065, 0.1607, 0.1807



20.9065, 0.2721, 0.1944

Sweetspot

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



20.9075, 0.4710, 0.4642



53.9818, 0.3627, 0.3862



7.6272, 0.5903, 0.3026



11.5901, 0.3699, 0.3937



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.



20.9075, 0.4710, 0.4642



37.6253, 0.4722, 0.4633



29.1325, 0.3762, 0.5395



7.4393, 0.3267, 0.3457



16.3583, 0.4704, 0.4647



0.3545, 0.4464, 0.4838

Inverse Universe

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



4.0578, 0.1585, 0.0905



7.0888, 0.1577, 0.0876



2.9906, 0.1654, 0.0685



6.6914, 0.2988, 0.3117



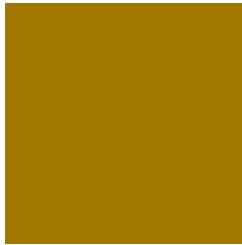
3.2207, 0.1589, 0.0920



0.1184, 0.1785, 0.1627

Previews

White Background



This preview shows how the Yxy color 20.9065, 0.4710, 0.4642 looks on a white background.

Color Contrast Check

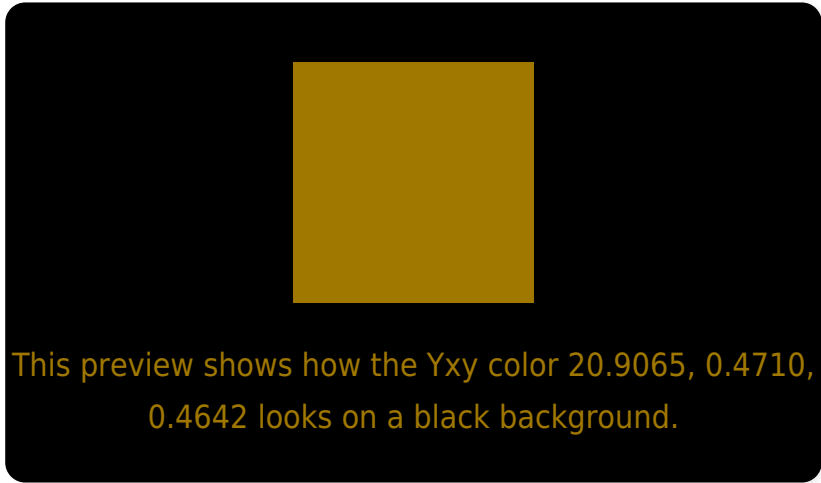
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.9065, 0.4710, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 20.9065, 0.4710, 0.4642.



This preview shows how white text looks on a background with the Yxy color 20.9065, 0.4710, 0.4642.

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

20.9065, 0.4710, 0.4642

Protanopia

21.0381, 0.4378, 0.4856

Deuteranopia

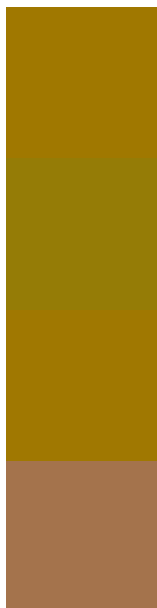
20.9087, 0.4708, 0.4639



Tritanopia

21.0514, 0.3747, 0.3167

Trichromacy



Original Color

20.9065, 0.4710, 0.4642

Protanomaly

20.8180, 0.4503, 0.4774

Deuteranomaly

20.9087, 0.4708, 0.4639

Tritanomaly

20.6758, 0.4287, 0.3897

Monochromacy



Original Color

20.9065, 0.4710, 0.4642

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6882, 0.3849, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9065, 0.4710, 0.4642 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(160, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 120, 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(160, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9065, 0.4710, 0.4642 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(160, 120, 0) }
```

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

```
.border{ border-color:rgb(160, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9065, 0.4710, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 120, 0) }
```

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

```
.background{ background-color: rgb(160,  
120, 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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