

Converting Colors

$Y_{xy}(20.8582, 0.4877, 0.4355)$

Have a look what the booklet for
Yxy(20.8582, 0.4877, 0.4355)
contains.

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Color

$\text{Yxy}(20.7604, 0.4885, 0.4352)$

Conversions

Conversions Part 1

Format	Color
Hex	AD7118
RGB	173, 113, 24
RGB Percent	68%, 44%, 9%
CMY	0.3216, 0.5568, 0.9061
CMYK	0.00, 0.35, 0.86, 0.32
HSL	36°, 76%, 39%
HSV	36°, 86%, 68%
XYZ	23.3030, 20.7604, 3.6397
YIQ	120.7940, 64.3290, -14.9590

Conversions

Conversions Part 2

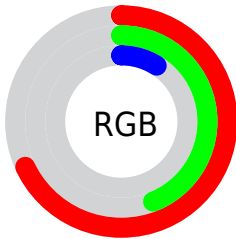
Format	Color
RYB	124, 173, 24
Decimal	11366680
CIELab	52.69, 16.88, 54.00
CIELCh	53, 56.574, 72.642
Yxy	20.7604, 0.4885, 0.4352
Android (android.graphics.Color)	4289556760 (0xFFAD7118)
YUV	120.7940, -47.7194, 45.7847
Hunter-Lab	45.5636, 11.5555, 27.1583

Details

The Yxy color **20.7604, 0.4885, 0.4352** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5411, 0.1805, 0.1554**, and the grayscale version is **19.1906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7697, 0.4554, 0.4212**, and **7.4254, 0.5165, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **19.2157, 0.5056, 0.4332**, and if you desaturate by 10%, it is **22.4714, 0.4683, 0.4322**.

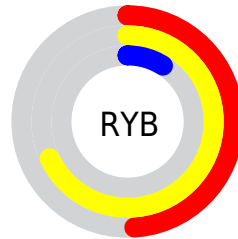
Distribution



Red (68%)

Green (44%)

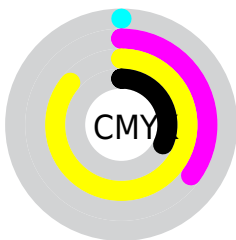
Blue (9%)



Red (49%)

Yellow (68%)

Blue (9%)

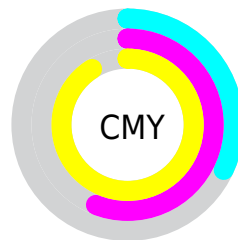


Cyan (0%)

Magenta (35%)

Yellow (86%)

Black (32%)



Cyan (32%)

Magenta (56%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7604, 0.4885, 0.4352 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 20.7604, 0.4885, 0.4352 by changing the saturation by 10% instead.


 20.7604, 0.4885,
0.4352


 20.7604, 0.4885,
0.4352


256.0024, 0.3955,
0.3868


 12.9490, 0.5096,
0.4417


 44.6884, 0.4553,
0.4207

 7.3934, 0.5397,
0.4502

 61.5738, 0.4424,
0.4142

 3.7093, 0.5593,
0.4407

 82.2527, 0.4315,
0.4082

 1.5123, 0.5825,
0.4175

 107.1094, 0.4221,
0.4029

 0.2974, 0.7002,
0.2998

 136.5283, 0.4141,
0.3982

 0.0000, 0.0000,
0.0000

 170.8938, 0.4070,

0.3939

210.5904, 0.4009,
0.3902

20.7604, 0.4885,
0.4352

20.7604, 0.4885,
0.4352

19.2157, 0.5056,
0.4332

22.4714, 0.4683,
0.4322

18.6584, 0.5119,
0.4318

24.3563, 0.4460,
0.4245

26.4249, 0.4229,
0.4132

28.6848, 0.3999,
0.3994

31.1432, 0.3780,
0.3842

■ 33.8066, 0.3575,
0.3685

■ 36.6812, 0.3389,
0.3529

■ 39.7728, 0.3221,
0.3379

■ 43.0871, 0.3072,
0.3236

Harmonies

Analogous

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



20.7604, 0.5133, 0.3640



20.7604, 0.4885, 0.4352



20.7604, 0.4177, 0.4995

Triad

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



20.7604, 0.4885, 0.4352



20.7604, 0.1718, 0.3357



20.7604, 0.2708, 0.1978

Complementary

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



20.7604, 0.4885, 0.4352



9.5411, 0.1805, 0.1554

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.



20.7604, 0.1952, 0.1816



20.7604, 0.4885, 0.4352



20.7604, 0.1462, 0.2422

Square

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



20.7604, 0.4885, 0.4352



20.7604, 0.2355, 0.4533



20.7604, 0.1545, 0.1939



20.7604, 0.3745, 0.2384

Rectangle

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



20.7604, 0.4885, 0.4352



20.7604, 0.3575, 0.5213



20.7604, 0.1545, 0.1939



20.7604, 0.2417, 0.1895

Sweetspot

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



20.7615, 0.4885, 0.4352



60.4014, 0.3581, 0.3690



10.2077, 0.4906, 0.2603



12.7726, 0.3647, 0.3742



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.7615, 0.4885, 0.4352



32.9844, 0.5139, 0.4302



37.4857, 0.4031, 0.5084



8.7811, 0.3272, 0.3425



13.8217, 0.5106, 0.4328



0.4880, 0.4764, 0.4599

Inverse Universe

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



9.5411, 0.1805, 0.1554



12.7695, 0.1680, 0.1248



4.0496, 0.1639, 0.0771



8.2666, 0.2986, 0.3151



5.5065, 0.1694, 0.1298



0.2622, 0.1868, 0.1925

Previews

White Background



This preview shows how the Yxy color 20.7604, 0.4885, 0.4352 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 20.7604, 0.4885, 0.4352 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 20.7604, 0.4885, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 20.7604, 0.4885, 0.4352.



This preview shows how white text looks on a background with the Yxy color 20.7604, 0.4885, 0.4352.

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

20.7604, 0.4885, 0.4352

Protanopia

21.0087, 0.4301, 0.4770

Deuteranopia

20.8509, 0.4643, 0.4582



Tritanopia

20.6425, 0.4023, 0.3174

Trichromacy



Original Color

20.7604, 0.4885, 0.4352

Protanomaly

20.7660, 0.4511, 0.4618

Deuteranomaly

20.6692, 0.4738, 0.4491

Tritanomaly

20.5493, 0.4440, 0.3686

Monochromacy



Original Color

20.7604, 0.4885, 0.4352

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2042, 0.3818, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7604, 0.4885, 0.4352 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(173, 113, 24)` looks like.

```
.text, #text, p{  
    color:rgb(173, 113, 24)  
}
```

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(173, 113, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 113, 24) }
```

Border

The CSS property to change the border of an element to Yxy 20.7604, 0.4885, 0.4352 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(173, 113, 24) }
```

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

```
.border{ border-color:rgb(173, 113, 24) }
```

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

Here you see how a box with a 4 pixel rgb(173, 113, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 113, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 113, 24);  
box-shadow:4px 4px 4px 4px rgb(173, 113,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7604, 0.4885, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 113, 24) }
```

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

```
.background{ background-color: rgb(173,  
113, 24) }
```

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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