

Converting Colors

$Y_{xy}(20.0480, 0.4822, 0.4553)$

Have a look what the booklet for
Yxy(20.0480, 0.4822, 0.4553)
contains.

Yxy(20.0480, 0.4822, 0.4553)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0480, 0.4822, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	A37300
RGB	163, 115, 0
RGB Percent	64%, 45%, 0%
CMY	0.3609, 0.5490, 0.9998
CMYK	0.00, 0.29, 1.00, 0.36
HSL	42°, 100%, 32%
HSV	42°, 100%, 64%
XYZ	21.2325, 20.0480, 2.7520
YIQ	116.2420, 65.5230, -25.5890

Conversions

Conversions Part 2

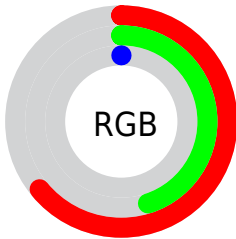
Format	Color
RYB	68, 163, 0
Decimal	10711808
CIELab	51.89, 10.75, 58.36
CIELCh	52, 59.341, 79.566
Yxy	20.0480, 0.4822, 0.4553
Android (android.graphics.Color)	4288901888 (0xFFA37300)
YUV	116.2420, -57.3073, 41.0068
Hunter-Lab	44.7750, 6.2892, 27.6983

Details

The Yxy color **20.0480, 0.4822, 0.4553** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7601, 0.1611, 0.1000**, and the grayscale version is **17.7101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5487, 0.4513, 0.4377**, and **7.0785, 0.4977, 0.4430** is the 20% darker color. If you saturate the color by 10%, you get **20.0450, 0.4822, 0.4553**, and if you desaturate by 10%, it is **21.2106, 0.4703, 0.4557**.

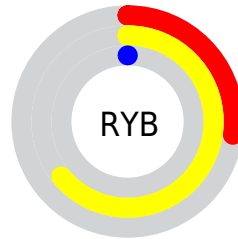
Distribution



Red (64%)

Green (45%)

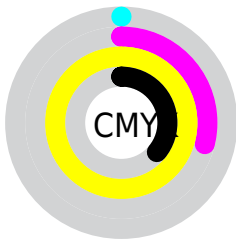
Blue (0%)



Red (27%)

Yellow (64%)

Blue (0%)

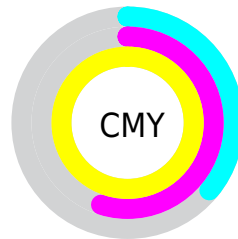


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0480, 0.4822, 0.4553 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 20.0480, 0.4822, 0.4553 by changing the saturation by 10% instead.


 20.0480, 0.4822,
0.4553


 20.0480, 0.4822,
0.4553

252.1749, 0.3947,
0.3962


 12.4299, 0.5002,
0.4637


 43.4976, 0.4520,
0.4373


 7.0372, 0.5253,
0.4747


 60.0980, 0.4399,
0.4292


 3.4854, 0.5350,
0.4650

 80.4613, 0.4295,
0.4220

 1.3901, 0.5513,
0.4487

 104.9718, 0.4205,
0.4155


 0.2094, 0.6878,
0.3122


 134.0141, 0.4128,
0.4098

 0.0000, 0.0000,
0.0000


 167.9724, 0.4059,


0.4047

 207.2312, 0.4000,
0.4002


 20.0480, 0.4822,
0.4553

 20.0480, 0.4822,
0.4553

 20.0450, 0.4822,
0.4553

 21.2106, 0.4703,
0.4557

 22.4610, 0.4561,
0.4522

 23.8142, 0.4393,
0.4441

 25.2766, 0.4207,
0.4320

 26.8537, 0.4012,
0.4169

■ 28.5507, 0.3816,
0.4000

■ 30.3721, 0.3626,
0.3820

■ 32.3222, 0.3446,
0.3638

■ 34.4050, 0.3279,
0.3460

Harmonies

Analogous

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



20.0480, 0.5237, 0.3803



20.0480, 0.4822, 0.4553



20.0480, 0.3999, 0.5195

Triad

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



20.0480, 0.4822, 0.4553



20.0480, 0.1550, 0.3081



20.0480, 0.2914, 0.1993

Complementary

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



20.0480, 0.4822, 0.4553



4.7601, 0.1611, 0.1000

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.



20.0480, 0.2041, 0.1763



20.0480, 0.4822, 0.4553



20.0480, 0.1377, 0.2212

Square

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



20.0480, 0.4822, 0.4553



20.0480, 0.2117, 0.4342



20.0480, 0.1541, 0.1814



20.0480, 0.4042, 0.2465

Rectangle

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



20.0480, 0.4822, 0.4553



20.0480, 0.3350, 0.5337



20.0480, 0.1541, 0.1814



20.0480, 0.2583, 0.1888

Sweetspot

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



20.0490, 0.4822, 0.4553



54.2084, 0.3637, 0.3831



8.0070, 0.5738, 0.2935



11.8759, 0.3713, 0.3903



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.0490, 0.4822, 0.4553



35.5461, 0.4836, 0.4542



30.9652, 0.3847, 0.5327



7.8834, 0.3268, 0.3448



15.6638, 0.4815, 0.4559



0.4047, 0.4545, 0.4773

Inverse Universe

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



4.7601, 0.1611, 0.1000



8.2154, 0.1603, 0.0970



2.9624, 0.1605, 0.0658



7.1840, 0.2987, 0.3127



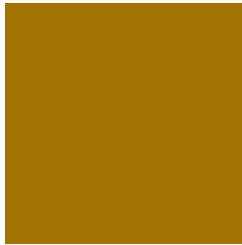
3.7680, 0.1616, 0.1016



0.1573, 0.1814, 0.1729

Previews

White Background



This preview shows how the Yxy color 20.0480, 0.4822, 0.4553 looks on a white background.

Color Contrast Check

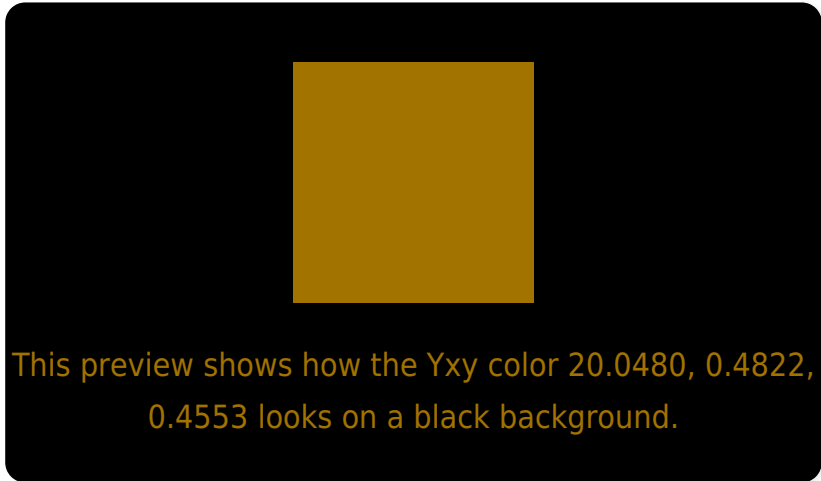
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0480, 0.4822, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 20.0480, 0.4822, 0.4553.



This preview shows how white text looks on a background with the Yxy color 20.0480, 0.4822, 0.4553.

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

20.0480, 0.4822, 0.4553

Protanopia

20.2646, 0.4365, 0.4859

Deuteranopia

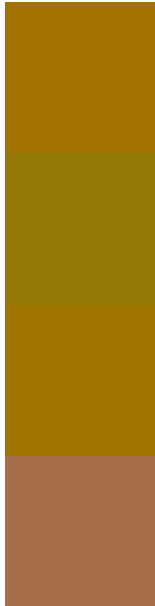
20.1250, 0.4705, 0.4646



Tritanopia

20.0780, 0.3866, 0.3168

Trichromacy



Original Color

20.0480, 0.4822, 0.4553

Protanomaly

19.9838, 0.4534, 0.4748

Deuteranomaly

20.0935, 0.4745, 0.4615

Tritanomaly

19.7399, 0.4398, 0.3858

Monochromacy



Original Color

20.0480, 0.4822, 0.4553

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9717, 0.3884, 0.4069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0480, 0.4822, 0.4553 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(163, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 115, 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(163, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.0480, 0.4822, 0.4553 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(163, 115, 0) }
```

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

```
.border{ border-color:rgb(163, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 115,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0480, 0.4822, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 115, 0) }
```

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

```
.background{ background-color: rgb(163,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor