

Converting Colors

$Y_{xy}(20.2201, 0.4488, 0.3686)$

Have a look what the booklet for
Yxy(20.2201, 0.4488, 0.3686)
contains.

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Color

Yxy(20.2197, 0.4497, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	B16A4F
RGB	177, 106, 79
RGB Percent	69%, 42%, 31%
CMY	0.3059, 0.5843, 0.6902
CMYK	0.00, 0.40, 0.55, 0.31
HSL	17°, 39%, 50%
HSV	17°, 55%, 69%
XYZ	24.6953, 20.2197, 10.0000
YIQ	124.1510, 50.9830, 6.6550

Conversions

Conversions Part 2

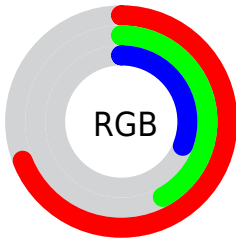
Format	Color
R_{YB}	177, 116, 79
Decimal	11627087
CIE Lab	52.08, 25.58, 27.15
CIE LCh	52, 37.306, 46.703
Yxy	20.2197, 0.4497, 0.3682
Android (android.graphics.Color)	4289817167 (0xFFB16A4F)
YUV	124.1510, -22.2594, 46.3486
Hunter-Lab	44.9663, 19.3402, 18.2910

Details

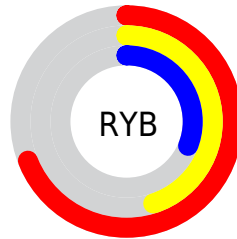
The Yxy color **20.2197, 0.4497, 0.3682** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **26.6456, 0.2340, 0.2826**, and the grayscale version is **20.2729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8716, 0.4189, 0.3619**, and **7.1067, 0.5040, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **17.5480, 0.4865, 0.3726**, and if you desaturate by 10%, it is **23.3572, 0.4160, 0.3619**.

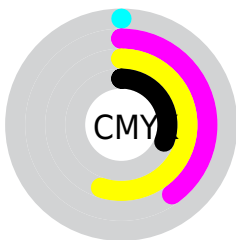
Distribution



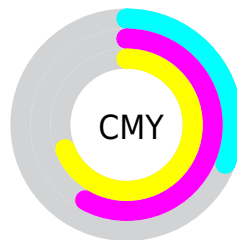
- Red (69%)
- Green (42%)
- Blue (31%)



- Red (69%)
- Yellow (45%)
- Blue (31%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)
- Black (31%)





- Cyan (31%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2197, 0.4497, 0.3682 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 20.2197, 0.4497, 0.3682 by changing the saturation by 10% instead.


 20.2197, 0.4497,
0.3682


 20.2197, 0.4497,
0.3682


253.1020, 0.3717,
0.3501


 12.5548, 0.4724,
0.3712


 43.7852, 0.4190,
0.3625

 7.1227, 0.5031,
0.3733


 60.4547, 0.4081,
0.3600


 3.5390, 0.5469,
0.3726

 80.8945, 0.3993,
0.3578

 1.4192, 0.6282,
0.3718

 105.4890, 0.3919,
0.3559

 0.2308, 0.7852,
0.2148

 134.6226, 0.3856,
0.3542

 0.0000, 0.0000,
0.0000

168.6797, 0.3803,

0.3527

208.0447, 0.3757,
0.3513

■ 20.2197, 0.4497,
0.3682

■ 20.2197, 0.4497,
0.3682

■ 17.5480, 0.4865,
0.3726

■ 23.3572, 0.4160,
0.3619

■ 15.3161, 0.5243,
0.3740

■ 26.9788, 0.3864,
0.3546

■ 13.4996, 0.5598,
0.3713

■ 31.1055, 0.3609,
0.3471

■ 12.0701, 0.5893,
0.3643

■ 35.7560, 0.3394,
0.3397

■ 11.5236, 0.6014,
0.3606

■ 40.9484, 0.3212,
0.3326

■ 46.6994, 0.3060,
0.3260

■ 53.0252, 0.2932,
0.3200

■ 59.9416, 0.2824,
0.3144

■ 67.4633, 0.2732,
0.3094

Harmonies

Analogous

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



20.2197, 0.4248, 0.3166



20.2197, 0.4497, 0.3682



20.2197, 0.4327, 0.4175

Triad

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



20.2197, 0.4497, 0.3682



20.2197, 0.2551, 0.3989



20.2197, 0.2365, 0.2235

Complementary

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



20.2197, 0.4497, 0.3682



26.6456, 0.2340, 0.2826

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.



20.2197, 0.2016, 0.2318



20.2197, 0.4497, 0.3682



20.2197, 0.2105, 0.3269

Square

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



20.2197, 0.4497, 0.3682



20.2197, 0.3184, 0.4482



20.2197, 0.1925, 0.2663



20.2197, 0.2946, 0.2377

Rectangle

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



20.2197, 0.4497, 0.3682



20.2197, 0.4025, 0.4429



20.2197, 0.1925, 0.2663



20.2197, 0.2221, 0.2236

Sweetspot

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



20.2207, 0.4497, 0.3682



62.3630, 0.3432, 0.3411



17.1691, 0.3543, 0.2295



13.1558, 0.3473, 0.3425



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.2207, 0.4497, 0.3682



30.6689, 0.4931, 0.3731



33.0638, 0.4077, 0.4332



8.8738, 0.3280, 0.3353



8.4398, 0.5995, 0.3622



0.3656, 0.5440, 0.4063

Inverse Universe

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



26.6456, 0.2340, 0.2826



43.1695, 0.2213, 0.2708



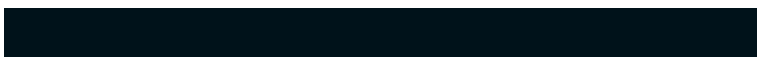
14.3141, 0.2156, 0.1941



9.2276, 0.2986, 0.3226



13.6333, 0.1995, 0.2383



0.5205, 0.2074, 0.2665

Previews

White Background



This preview shows how the Yxy color 20.2197, 0.4497, 0.3682 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 20.2197, 0.4497, 0.3682 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 20.2197, 0.4497, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 20.2197, 0.4497, 0.3682.



This preview shows how white text looks on a background with the Yxy color 20.2197, 0.4497, 0.3682.

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

20.2197, 0.4497, 0.3682

Protanopia

20.4900, 0.3708, 0.3998

Deuteranopia

20.2948, 0.4082, 0.4009



Tritanopia

20.1906, 0.4125, 0.3191

Trichromacy



Original Color

20.2197, 0.4497, 0.3682

Protanomaly

20.0654, 0.3992, 0.3885

Deuteranomaly

20.0440, 0.4232, 0.3882

Tritanomaly

20.0473, 0.4268, 0.3367

Monochromacy



Original Color

20.2197, 0.4497, 0.3682

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6449, 0.3582, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2197, 0.4497, 0.3682 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(177, 106, 79)` looks like.

```
.text, #text, p{  
    color:rgb(177, 106, 79)  
}
```

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(177, 106, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 106, 79) }
```

Border

The CSS property to change the border of an element to Yxy 20.2197, 0.4497, 0.3682 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(177, 106, 79) }
```

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

```
.border{ border-color:rgb(177, 106, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 106, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 106, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 106, 79);  
box-shadow:4px 4px 4px 4px rgb(177, 106,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2197, 0.4497, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 106, 79) }
```

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

```
.background{ background-color: rgb(177,  
106, 79) }
```

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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