

Converting Colors

$Y_{xy}(20.0386, 0.4115, 0.4923)$

Have a look what the booklet for
Yxy(20.0386, 0.4115, 0.4923)
contains.

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Color

Yxy(20.0977, 0.4116, 0.4925)

Conversions

Conversions Part 1

Format	Color
Hex	808019
RGB	128, 128, 25
RGB Percent	50%, 50%, 10%
CMY	0.4981, 0.4980, 0.9020
CMYK	0.00, 0.00, 0.80, 0.50
HSL	60°, 67%, 30%
HSV	60°, 80%, 50%
XYZ	16.7964, 20.0977, 3.9134
YIQ	116.2580, 33.0630, -32.0330

Conversions

Conversions Part 2

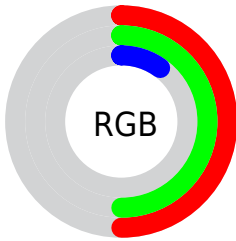
Format	Color
R _Y B	25, 128, 25
Decimal	8421401
CIE Lab	51.95, -12.29, 51.15
CIE LCh	52, 52.605, 103.515
Yxy	20.0977, 0.4116, 0.4925
Android (android.graphics.Color)	4286611481 (0xFF808019)
YUV	116.2580, -44.9902, 10.2977
Hunter-Lab	44.8305, -11.5757, 26.2056

Details

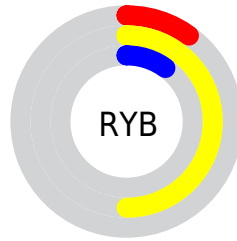
The Yxy color **20.0977, 0.4116, 0.4925** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.4607, 0.1673, 0.0886**, and the grayscale version is **17.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8026, 0.3953, 0.4593**, and **7.0878, 0.4113, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **20.0554, 0.4163, 0.5003**, and if you desaturate by 10%, it is **20.1672, 0.4045, 0.4807**.

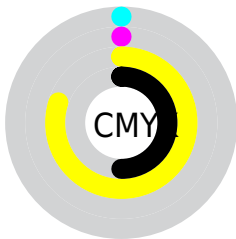
Distribution



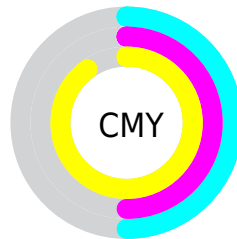
- Red (50%)
- Green (50%)
- Blue (10%)



- Red (10%)
- Yellow (50%)
- Blue (10%)



- Cyan (0%)
- Magenta (0%)
- Yellow (80%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0977, 0.4116, 0.4925 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 20.0977, 0.4116, 0.4925 by changing the saturation by 10% instead.


 20.0977, 0.4116,
0.4925

 20.0977, 0.4116,
0.4925

 252.4435, 0.3624,
0.4027


 12.4661, 0.4203,
0.5145


 43.5809, 0.3953,
0.4592


 7.0619, 0.4322,
0.5465


 60.2013, 0.3885,
0.4467


 3.5009, 0.4292,
0.5708

 80.5868, 0.3826,
0.4362

 1.3985, 0.4076,
0.5924

 105.1217, 0.3775,
0.4274

 0.2156, 0.0000,
1.0000

 134.1904, 0.3730,
0.4198

 0.0000, 0.0000,
0.0000

 168.1773, 0.3690,

0.4133

■ 207.4669, 0.3655,
0.4077

■ 20.0977, 0.4116,
0.4925

■ 20.0977, 0.4116,
0.4925

■ 20.0554, 0.4163,
0.5003

■ 20.1672, 0.4045,
0.4807

■ 20.0283, 0.4193,
0.5053

■ 20.2641, 0.3951,
0.4651

■ 20.3921, 0.3836,
0.4463

■ 20.5534, 0.3707,
0.4248

■ 20.7501, 0.3567,
0.4017

■ 20.9843, 0.3421,
0.3777

■ 21.2577, 0.3276,
0.3536

■ 21.5719, 0.3134,
0.3301

■ 21.9286, 0.2998,
0.3076

Harmonies

Analogous

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



20.0977, 0.4788, 0.4340



20.0977, 0.4116, 0.4925



20.0977, 0.3241, 0.5067

Triad

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



20.0977, 0.4116, 0.4925



20.0977, 0.1537, 0.2458



20.0977, 0.3742, 0.2444

Complementary

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



20.0977, 0.4116, 0.4925



2.4607, 0.1673, 0.0886

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.



20.0977, 0.2761, 0.2047



20.0977, 0.4116, 0.4925



20.0977, 0.1625, 0.2000

Square

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



20.0977, 0.4116, 0.4925



20.0977, 0.1779, 0.3330



20.0977, 0.2027, 0.1886



20.0977, 0.4638, 0.3011

Rectangle

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



20.0977, 0.4116, 0.4925



20.0977, 0.2652, 0.4720



20.0977, 0.2027, 0.1886



20.0977, 0.3402, 0.2289

Sweetspot

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



20.0986, 0.4116, 0.4925



36.7669, 0.3481, 0.3875



5.3550, 0.5805, 0.3298



8.5792, 0.3525, 0.3948



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.0986, 0.4116, 0.4925



35.2712, 0.4186, 0.5041



17.0668, 0.3452, 0.5397



5.0194, 0.3256, 0.3503



19.8580, 0.4193, 0.5053



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.4607, 0.1673, 0.0886



2.8841, 0.1516, 0.0627



3.8111, 0.2281, 0.1196



4.2117, 0.2993, 0.3067



1.5454, 0.1500, 0.0600



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0977, 0.4116, 0.4925 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 20.0977, 0.4116, 0.4925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

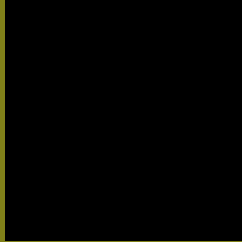
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0977, 0.4116, 0.4925

Background



This preview shows how black text looks on a background with the Yxy color 20.0977, 0.4116, 0.4925.



This preview shows how white text looks on a background with the Yxy color 20.0977, 0.4116, 0.4925.

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

20.0977, 0.4116, 0.4925

Protanopia

19.9702, 0.4315, 0.4782

Deuteranopia

20.1237, 0.4576, 0.4506



Tritanopia

20.0129, 0.3223, 0.3114

Trichromacy



Original Color

20.0977, 0.4116, 0.4925

Protanomaly

19.8841, 0.4250, 0.4832

Deuteranomaly

20.1188, 0.4407, 0.4657

Tritanomaly

19.6609, 0.3639, 0.3863

Monochromacy



Original Color

20.0977, 0.4116, 0.4925

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.0505, 0.3569, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0977, 0.4116, 0.4925 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(128, 128, 25)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 25)  
}
```

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(128, 128, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 25) }
```

Border

The CSS property to change the border of an element to Yxy 20.0977, 0.4116, 0.4925 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(128, 128, 25) }
```

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

```
.border{ border-color:rgb(128, 128, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 25);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0977, 0.4116, 0.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 25) }
```

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

```
.background{ background-color: rgb(128,  
128, 25) }
```

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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