

Converting Colors

$Y_{xy}(20.3031, 0.4122, 0.5109)$

Have a look what the booklet for
Yxy(20.3031, 0.4122, 0.5109)
contains.

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Color

Yxy(20.3252, 0.4128, 0.5104)

Conversions

Conversions Part 1	
Format	Color
Hex	7D8200
RGB	125, 130, 0
RGB Percent	49%, 51%, 0%
CMY	0.5099, 0.4902, 0.9997
CMYK	0.04, 0.00, 1.00, 0.49
HSL	62°, 100%, 26%
HSV	62°, 100%, 51%
XYZ	16.4386, 20.3252, 3.0583
YIQ	113.6850, 38.7500, -41.4900

Conversions

Conversions Part 2

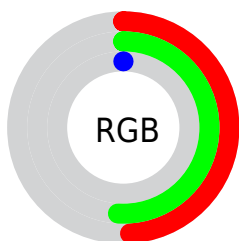
Format	Color
RYB	0, 130, 5
Decimal	8225280
CIELab	52.20, -15.40, 56.80
CIELCh	52, 58.847, 105.172
Yxy	20.3252, 0.4128, 0.5104
Android (android.graphics.Color)	4286415360 (0xFF7D8200)
YUV	113.6850, -56.0467, 9.9233
Hunter-Lab	45.0835, -13.8105, 27.5364

Details

The Yxy color **20.3252, 0.4128, 0.5104** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **1.6461, 0.1518, 0.0610**, and the grayscale version is **16.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0841, 0.3985, 0.4752**, and **7.2626, 0.4015, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **20.3258, 0.4128, 0.5104**, and if you desaturate by 10%, it is **20.3932, 0.4103, 0.5045**.

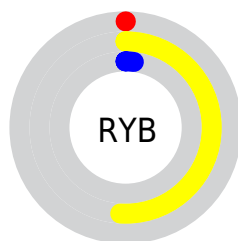
Distribution



Red (49%)

Green (51%)

Blue (0%)



Red (0%)

Yellow (51%)

Blue (2%)

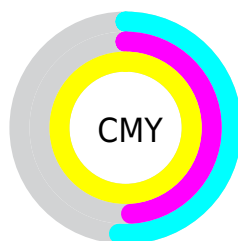


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (51%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3252, 0.4128, 0.5104 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 20.3252, 0.4128, 0.5104 by changing the saturation by 10% instead.


 20.3252, 0.4128,
0.5104


 20.3252, 0.4128,
0.5104


 253.6702, 0.3655,
0.4119


 12.6317, 0.4192,
0.5333


 43.9617, 0.3984,
0.4745


 7.1754, 0.4300,
0.5700


 60.6735, 0.3919,
0.4608


 3.5720, 0.4145,
0.5855


 81.1602, 0.3861,
0.4493

 1.4372, 0.3877,
0.6123

 105.8061, 0.3810,
0.4395

 0.2439, 0.0000,
1.0000


 134.9956, 0.3764,
0.4311


 0.0000, 0.0000,
0.0000

 169.1132, 0.3723,


0.4238


 208.5433, 0.3688,
0.4174


 20.3252, 0.4128,
0.5104

 20.3252, 0.4128,
0.5104


 20.3258, 0.4128,
0.5104

 20.3932, 0.4103,
0.5045

 20.4769, 0.4061,
0.4958

 20.5873, 0.3996,
0.4831

 20.7274, 0.3907,
0.4666

 20.9000, 0.3798,
0.4468

■ 21.1075, 0.3674,
0.4247

■ 21.3520, 0.3541,
0.4010

■ 21.6357, 0.3402,
0.3767

■ 21.9603, 0.3263,
0.3524

Harmonies

Analogous

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



20.3252, 0.4899, 0.4437



20.3252, 0.4128, 0.5104



20.3252, 0.3167, 0.5275

Triad

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



20.3252, 0.4128, 0.5104



20.3252, 0.1397, 0.2320



20.3252, 0.3867, 0.2393

Complementary

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



20.3252, 0.4128, 0.5104



1.6461, 0.1518, 0.0610

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.



20.3252, 0.2769, 0.1957



20.3252, 0.4128, 0.5104



20.3252, 0.1512, 0.1863

Square

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



20.3252, 0.4128, 0.5104



20.3252, 0.1624, 0.3253



20.3252, 0.1958, 0.1767



20.3252, 0.4850, 0.3004

Rectangle

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



20.3252, 0.4128, 0.5104



20.3252, 0.2532, 0.4860



20.3252, 0.1958, 0.1767



20.3252, 0.3487, 0.2223

Sweetspot

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



20.3261, 0.4128, 0.5104



37.5643, 0.3551, 0.4028



4.8420, 0.6363, 0.3329



8.4670, 0.3598, 0.4112



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.



20.3261, 0.4128, 0.5104



35.7759, 0.4127, 0.5105



16.9502, 0.3342, 0.5728



5.0112, 0.3251, 0.3504



19.4876, 0.4128, 0.5104



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.6461, 0.1518, 0.0610



2.8803, 0.1513, 0.0607



2.8920, 0.2118, 0.0941



4.2190, 0.2998, 0.3068



1.5772, 0.1518, 0.0610



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.3252, 0.4128, 0.5104 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 20.3252, 0.4128, 0.5104 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 20.3252, 0.4128, 0.5104

Background



This preview shows how black text looks on a background with the Yxy color 20.3252, 0.4128, 0.5104.



This preview shows how white text looks on a background with the Yxy color 20.3252, 0.4128, 0.5104.

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

20.3252, 0.4128, 0.5104

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.1755, 0.4644, 0.4569



Tritanopia

20.3548, 0.3184, 0.3131

Trichromacy



Original Color
20.3252, 0.4128, 0.5104

Protanomaly
20.3296, 0.4298, 0.4970

Deuteranomaly
19.9679, 0.4462, 0.4763

Tritanomaly
19.8651, 0.3696, 0.4049

Monochromacy



Original Color
20.3252, 0.4128, 0.5104

Achromatopsia
16.8269, 0.3127, 0.3290

Achromatomaly
17.7655, 0.3658, 0.4222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3252, 0.4128, 0.5104 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(125, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 130, 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(125, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3252, 0.4128, 0.5104 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(125, 130, 0) }
```

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

```
.border{ border-color:rgb(125, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3252, 0.4128, 0.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 130, 0) }
```

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

```
.background{ background-color: rgb(125,  
130, 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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