

Converting Colors

$Y_{xy}(32.6501, 0.4197, 0.5146)$

Have a look what the booklet for
Yxy(32.6501, 0.4197, 0.5146)
contains.

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Color

Yxy(32.7588, 0.4161, 0.5078)

Conversions

Conversions Part 1

Format	Color
Hex	9EA100
RGB	158, 161, 0
RGB Percent	62%, 63%, 0%
CMY	0.3805, 0.3686, 0.9998
CMYK	0.02, 0.00, 1.00, 0.37
HSL	61°, 100%, 32%
HSV	61°, 100%, 63%
XYZ	26.8431, 32.7588, 4.9093
YIQ	141.7490, 49.8930, -50.7070

Conversions

Conversions Part 2

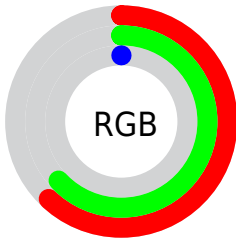
Format	Color
RYB	0, 161, 3
Decimal	10395904
CIELab	63.97, -16.63, 66.69
CIELCh	64, 68.729, 104.003
Yxy	32.7588, 0.4161, 0.5078
Android (android.graphics.Color)	4288585984 (0xFF9EA100)
YUV	141.7490, -69.8823, 14.2521
Hunter-Lab	57.2353, -16.4460, 34.9792

Details

The Yxy color **32.7588, 0.4161, 0.5078** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5944, 0.1507, 0.0604**, and the grayscale version is **27.2147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2051, 0.4028, 0.4779**, and **13.9766, 0.4072, 0.5148** is the 20% darker color. If you saturate the color by 10%, you get **32.7601, 0.4161, 0.5078**, and if you desaturate by 10%, it is **32.8288, 0.4138, 0.5032**.

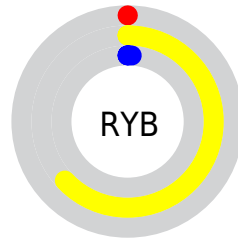
Distribution



Red (62%)

Green (63%)

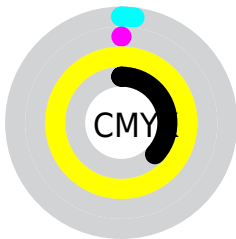
Blue (0%)



Red (0%)

Yellow (63%)

Blue (1%)

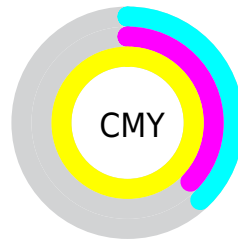


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (38%)


Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7588, 0.4161, 0.5078 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 32.7588, 0.4161, 0.5078 by changing the saturation by 10% instead.


 32.7588, 0.4161,
0.5078


 32.7588, 0.4161,
0.5078


314.5615, 0.3714,
0.4186

 21.9417, 0.4222,
0.5266


 63.9988, 0.4031,
0.4772


 13.8141, 0.4267,
0.5480


 85.1905, 0.3971,
0.4650

 7.9915, 0.4275,
0.5725


 110.6092, 0.3916,
0.4545

 4.0895, 0.4121,
0.5879

 140.6393, 0.3867,
0.4453

 1.7238, 0.3860,
0.6140

 175.6651, 0.3822,
0.4373

 0.4390, 0.0249,
0.9751

 216.0712, 0.3782,

 0.0000, 0.0000,


0.4303


0.0000


 262.2419, 0.3746,
0.4241


 32.7588, 0.4161,
0.5078


 32.7588, 0.4161,
0.5078


 32.7601, 0.4161,
0.5078

 32.8288, 0.4138,
0.5032

 32.9274, 0.4097,
0.4955

 33.0690, 0.4030,
0.4835

 33.2590, 0.3939,
0.4675

 33.5021, 0.3827,
0.4481

■ 33.8024, 0.3698,
0.4260

■ 34.1637, 0.3559,
0.4022

■ 34.5894, 0.3414,
0.3776

■ 35.0826, 0.3269,
0.3529

Harmonies

Analogous

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



32.7588, 0.4917, 0.4406



32.7588, 0.4161, 0.5078



32.7588, 0.3207, 0.5277

Triad

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



32.7588, 0.4161, 0.5078



32.7588, 0.1404, 0.2351



32.7588, 0.3820, 0.2375

Complementary

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



32.7588, 0.4161, 0.5078



2.5944, 0.1507, 0.0604

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.



32.7588, 0.2733, 0.1948



32.7588, 0.4161, 0.5078



32.7588, 0.1506, 0.1877

Square

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



32.7588, 0.4161, 0.5078



32.7588, 0.1645, 0.3299



32.7588, 0.1937, 0.1770



32.7588, 0.4814, 0.2980

Rectangle

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



32.7588, 0.4161, 0.5078



32.7588, 0.2570, 0.4889



32.7588, 0.1937, 0.1770



32.7588, 0.3442, 0.2208

Sweetspot

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



32.7603, 0.4161, 0.5078



61.1353, 0.3567, 0.4036



7.6374, 0.6386, 0.3311



13.3495, 0.3623, 0.4131



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.7603, 0.4161, 0.5078



58.6532, 0.4160, 0.5079



27.1062, 0.3351, 0.5721



8.2305, 0.3259, 0.3512



26.1635, 0.4161, 0.5078



0.5517, 0.4174, 0.5068

Inverse Universe

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



2.5944, 0.1507, 0.0604



4.6338, 0.1505, 0.0603



4.4233, 0.2066, 0.0912



6.8660, 0.2989, 0.3058



2.0728, 0.1508, 0.0604



0.0453, 0.1544, 0.0624

Previews

White Background



This preview shows how the Yxy color 32.7588, 0.4161, 0.5078 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.7588, 0.4161, 0.5078 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 ✓ Pass

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

Yxy 32.7588, 0.4161, 0.5078

Background



This preview shows how black text looks on a background with the Yxy color 32.7588, 0.4161, 0.5078.



This preview shows how white text looks on a background with the Yxy color 32.7588, 0.4161, 0.5078.

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

32.7588, 0.4161, 0.5078

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.6734, 0.4667, 0.4569



Tritanopia

32.8209, 0.3216, 0.3132

Trichromacy



Original Color

32.7588, 0.4161, 0.5078

Protanomaly

32.5490, 0.4322, 0.4950

Deuteranomaly

32.4390, 0.4489, 0.4757

Tritanomaly

32.0698, 0.3742, 0.4072

Monochromacy



Original Color

32.7588, 0.4161, 0.5078

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.5290, 0.3691, 0.4245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7588, 0.4161, 0.5078 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(158, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 161, 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(158, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.7588, 0.4161, 0.5078 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(158, 161, 0) }
```

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

```
.border{ border-color:rgb(158, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7588, 0.4161, 0.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 161, 0) }
```

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

```
.background{ background-color: rgb(158,  
161, 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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