

Converting Colors

$Y_{xy}(20.2636, 0.3649, 0.4134)$

Have a look what the booklet for
Yxy(20.2636, 0.3649, 0.4134)
contains.

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Color

Yxy(20.3000, 0.3637, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	7F7F52
RGB	127, 127, 82
RGB Percent	50%, 50%, 32%
CMY	0.5018, 0.5020, 0.6784
CMYK	0.00, 0.00, 0.35, 0.50
HSL	60°, 22%, 41%
HSV	60°, 35%, 50%
XYZ	17.8681, 20.3000, 10.9606
YIQ	121.8700, 14.4450, -13.9950

Conversions

Conversions Part 2

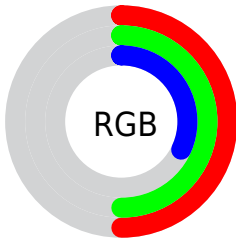
Format	Color
RYB	82, 127, 82
Decimal	8355666
CIELab	52.17, -7.43, 24.51
CIElCh	52, 25.607, 106.862
Yxy	20.3000, 0.3637, 0.4132
Android (android.graphics.Color)	4286545746 (0xFF7F7F52)
YUV	121.8700, -19.6559, 4.4990
Hunter-Lab	45.0555, -8.0576, 17.1154

Details

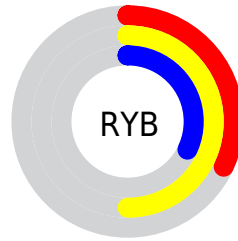
The Yxy color **20.3000, 0.3637, 0.4132** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.3682, 0.2517, 0.2282**, and the grayscale version is **19.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0118, 0.3523, 0.3945**, and **7.1539, 0.3818, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **20.1226, 0.3773, 0.4356**, and if you desaturate by 10%, it is **20.5150, 0.3494, 0.3896**.

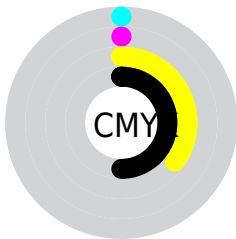
Distribution



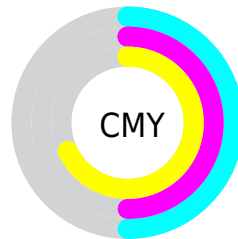
- Red (50%)
- Green (50%)
- Blue (32%)



- Red (32%)
- Yellow (50%)
- Blue (32%)



- Cyan (0%)
- Magenta (0%)
- Yellow (35%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3000, 0.3637, 0.4132 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 20.3000, 0.3637, 0.4132 by changing the saturation by 10% instead.

■ 20.3000, 0.3637,
0.4132

■ 20.3000, 0.3637,
0.4132

■ 253.5346, 0.3356,
0.3649

■ 12.6133, 0.3714,
0.4277

■ 43.9196, 0.3529,
0.3939

■ 7.1628, 0.3815,
0.4477

■ 60.6213, 0.3490,
0.3872

■ 3.5641, 0.3947,
0.4769

■ 81.0967, 0.3458,
0.3818

■ 1.4329, 0.4403,
0.5597

■ 105.7304, 0.3431,
0.3772

■ 0.2408, 0.1648,
0.8352

■ 134.9066, 0.3408,
0.3734

■ 0.0000, 0.0000,
0.0000

169.0098, 0.3388,

0.3702

208.4243, 0.3371,
0.3673

■ 20.3000, 0.3637,
0.4132

■ 20.3000, 0.3637,
0.4132

■ 20.1226, 0.3773,
0.4356

■ 20.5150, 0.3494,
0.3896

■ 19.9781, 0.3895,
0.4559

■ 20.7668, 0.3348,
0.3655

■ 19.8653, 0.4000,
0.4732

■ 21.0579, 0.3204,
0.3417


■ 19.7818, 0.4084,
0.4869


■ 21.3899, 0.3064,
0.3186


■ 19.7246, 0.4143,
0.4967

■ 21.7643, 0.2932,
0.2968

 19.6896, 0.4180,
0.5028

 22.1827, 0.2808,
0.2764

 19.6758, 0.4194,
0.5052

 22.6463, 0.2694,
0.2575

 23.1565, 0.2589,
0.2402

 23.7144, 0.2494,
0.2244

Harmonies

Analogous

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



20.3000, 0.3968, 0.3936



20.3000, 0.3637, 0.4132



20.3000, 0.3183, 0.4079

Triad

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



20.3000, 0.3637, 0.4132



20.3000, 0.2268, 0.2869



20.3000, 0.3495, 0.2880

Complementary

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



20.3000, 0.3637, 0.4132



9.3682, 0.2517, 0.2282

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.



20.3000, 0.3013, 0.2635



20.3000, 0.3637, 0.4132



20.3000, 0.2334, 0.2608

Square

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



20.3000, 0.3637, 0.4132



20.3000, 0.2407, 0.3289



20.3000, 0.2596, 0.2534



20.3000, 0.3894, 0.3222

Rectangle

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



20.3000, 0.3637, 0.4132



20.3000, 0.2876, 0.3888



20.3000, 0.2596, 0.2534



20.3000, 0.3336, 0.2785

Sweetspot

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



20.3009, 0.3637, 0.4132



37.3796, 0.3287, 0.3555



11.1709, 0.3910, 0.3277



8.7383, 0.3303, 0.3581



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.



20.3009, 0.3637, 0.4132



36.0591, 0.3754, 0.4325



18.8150, 0.3356, 0.4217



5.0189, 0.3256, 0.3503



19.8340, 0.4194, 0.5052



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3682, 0.2517, 0.2282



13.2491, 0.2342, 0.1992



10.4981, 0.2817, 0.2360



4.2122, 0.2993, 0.3068



1.5474, 0.1500, 0.0601



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.3000, 0.3637, 0.4132 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 20.3000, 0.3637, 0.4132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

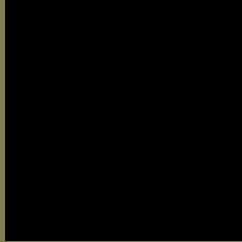
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3000, 0.3637, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 20.3000, 0.3637, 0.4132.



This preview shows how white text looks on a background with the Yxy color 20.3000, 0.3637, 0.4132.

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

20.3000, 0.3637, 0.4132

Protanopia

20.1603, 0.3772, 0.4070

Deuteranopia

20.2233, 0.3958, 0.3888



Tritanopia

20.3000, 0.3160, 0.3113

Trichromacy



Original Color

20.3000, 0.3637, 0.4132

Protanomaly

20.1668, 0.3726, 0.4098

Deuteranomaly

20.2063, 0.3842, 0.3980

Tritanomaly

20.1835, 0.3343, 0.3474

Monochromacy



Original Color

20.3000, 0.3637, 0.4132

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7619, 0.3322, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3000, 0.3637, 0.4132 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(127, 127, 82)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 82)  
}
```

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(127, 127, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 82) }
```

Border

The CSS property to change the border of an element to Yxy 20.3000, 0.3637, 0.4132 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(127, 127, 82) }
```

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

```
.border{ border-color:rgb(127, 127, 82) }
```

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

Here you see how a box with a 4 pixel rgb(127, 127, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 82);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3000, 0.3637, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 82) }
```

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

```
.background{ background-color: rgb(127,  
127, 82) }
```

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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