

Converting Colors

$Y_{xy}(20.1312, 0.3433, 0.3882)$

Have a look what the booklet for
Yxy(20.1312, 0.3433, 0.3882)
contains.

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Color

Yxy(20.2342, 0.3428, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	7B7F60
RGB	123, 127, 96
RGB Percent	48%, 50%, 38%
CMY	0.5175, 0.5020, 0.6235
CMYK	0.03, 0.00, 0.24, 0.50
HSL	68°, 14%, 44%
HSV	68°, 24%, 50%
XYZ	17.8724, 20.2342, 14.0299
YIQ	122.2700, 7.5670, -10.4890

Conversions

Conversions Part 2

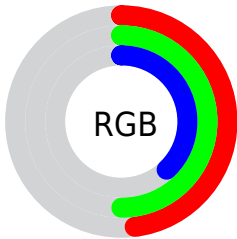
Format	Color
R_{YB}	96, 127, 100
Decimal	8093536
CIE Lab	52.10, -7.09, 16.40
CIE LCh	52, 17.864, 113.373
Yxy	20.2342, 0.3428, 0.3881
Android (android.graphics.Color)	4286283616 (0xFF7B7F60)
YUV	122.2700, -12.9511, 0.6402
Hunter-Lab	44.9824, -7.7977, 12.9953

Details

The Yxy color $20.2342, 0.3428, 0.3881$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.6054, 0.2782, 0.2644$, and the grayscale version is $19.5981, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9792, 0.3362, 0.3743$, and $7.1264, 0.3550, 0.4146$ is the 20% darker color. If you saturate the color by 10%, you get $19.9010, 0.3549, 0.4130$, and if you desaturate by 10%, it is $20.6090, 0.3304, 0.3633$.

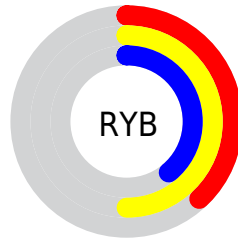
Distribution



Red (48%)

Green (50%)

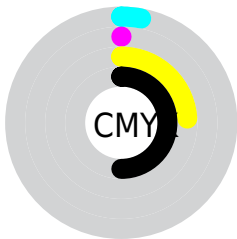
Blue (38%)



Red (38%)

Yellow (50%)

Blue (39%)

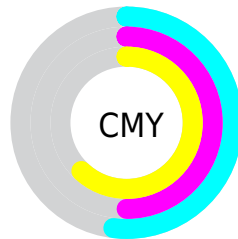


Cyan (3%)

Magenta (0%)

Yellow (24%)

Black (50%)



Cyan (52%)


Magenta (50%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2342, 0.3428, 0.3881 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 20.2342, 0.3428, 0.3881 by changing the saturation by 10% instead.


 20.2342, 0.3428,
0.3881


 20.2342, 0.3428,
0.3881

253.1802, 0.3261,
0.3540


 12.5654, 0.3476,
0.3986


 43.8095, 0.3363,
0.3744


 7.1300, 0.3541,
0.4135


 60.4848, 0.3340,
0.3696

 3.5435, 0.3632,
0.4362

 80.9310, 0.3321,
0.3658

 1.4216, 0.3941,
0.4968

 105.5326, 0.3305,
0.3626

 0.2326, 0.1713,
0.8287

134.6739, 0.3291,
0.3599

 0.0000, 0.0000,
0.0000

168.7393, 0.3280,

0.3577

208.1133, 0.3269,
0.3557

■ 20.2342, 0.3428,
0.3881

■ 20.2342, 0.3428,
0.3881

■ 19.9010, 0.3549,
0.4130

■ 20.6090, 0.3304,
0.3633

■ 19.6048, 0.3663,
0.4372

■ 21.0244, 0.3180,
0.3393

■ 19.3446, 0.3765,
0.4597

■ 21.4829, 0.3061,
0.3163

■ 19.1182, 0.3850,
0.4798

■ 21.9860, 0.2947,
0.2949

■ 18.9233, 0.3914,
0.4966

■ 22.5350, 0.2840,
0.2750

■ 18.7571, 0.3954,
0.5094

■ 23.1315, 0.2740,
0.2567

■ 18.6158, 0.3971,
0.5181

■ 23.7767, 0.2648,
0.2400

■ 18.5411, 0.3977,
0.5224

■ 24.4718, 0.2564,
0.2249

■ 25.2181, 0.2486,
0.2113

Harmonies

Analogous

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



20.2342, 0.3681, 0.3793



20.2342, 0.3428, 0.3881



20.2342, 0.3102, 0.3793

Triad

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



20.2342, 0.3428, 0.3881



20.2342, 0.2510, 0.2951



20.2342, 0.3455, 0.3048

Complementary

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



20.2342, 0.3428, 0.3881



12.6054, 0.2782, 0.2644

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.



20.2342, 0.3125, 0.2849



20.2342, 0.3428, 0.3881



20.2342, 0.2591, 0.2784

Square

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



20.2342, 0.3428, 0.3881



20.2342, 0.2582, 0.3228



20.2342, 0.2811, 0.2753



20.2342, 0.3702, 0.3309

Rectangle

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



20.2342, 0.3428, 0.3881



20.2342, 0.2890, 0.3641



20.2342, 0.2811, 0.2753



20.2342, 0.3349, 0.2973

Sweetspot

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



20.2351, 0.3428, 0.3881



37.4406, 0.3214, 0.3458



14.3972, 0.3593, 0.3363



8.7579, 0.3220, 0.3469



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.



20.2351, 0.3428, 0.3881



35.9150, 0.3493, 0.4013



19.2025, 0.3238, 0.3918



4.9924, 0.3238, 0.3504



18.7007, 0.3977, 0.5224



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6054, 0.2782, 0.2644



19.8985, 0.2694, 0.2483



13.5507, 0.2987, 0.2681



4.2360, 0.3011, 0.3069



1.6582, 0.1564, 0.0635



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.2342, 0.3428, 0.3881 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 20.2342, 0.3428, 0.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

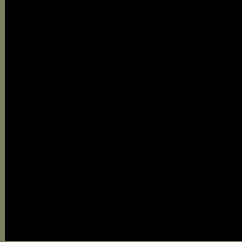
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2342, 0.3428, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 20.2342, 0.3428, 0.3881.



This preview shows how white text looks on a background with the Yxy color 20.2342, 0.3428, 0.3881.

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

20.2342, 0.3428, 0.3881

Protanopia

20.2281, 0.3581, 0.3823

Deuteranopia

20.0952, 0.3728, 0.3658



Tritanopia

20.1742, 0.3087, 0.3110

Trichromacy



Original Color

20.2342, 0.3428, 0.3881

Protanomaly

20.1606, 0.3524, 0.3851

Deuteranomaly

20.1005, 0.3619, 0.3743

Tritanomaly

20.1828, 0.3208, 0.3383

Monochromacy



Original Color

20.2342, 0.3428, 0.3881

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7451, 0.3228, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2342, 0.3428, 0.3881 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(123, 127, 96)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 96)  
}
```

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(123, 127, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 96) }
```

Border

The CSS property to change the border of an element to Yxy 20.2342, 0.3428, 0.3881 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(123, 127, 96) }
```

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

```
.border{ border-color:rgb(123, 127, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 127, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 127, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 127, 96);  
box-shadow:4px 4px 4px 4px rgb(123, 127,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2342, 0.3428, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 127, 96) }
```

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

```
.background{ background-color: rgb(123,  
127, 96) }
```

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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