

Converting Colors

$Y_{xy}(20.0439, 0.3528, 0.4037)$

Have a look what the booklet for
Yxy(20.0439, 0.3528, 0.4037)
contains.

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Color

Yxy(20.0943, 0.3518, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	7B7F58
RGB	123, 127, 88
RGB Percent	48%, 50%, 35%
CMY	0.5176, 0.5020, 0.6549
CMYK	0.03, 0.00, 0.31, 0.50
HSL	66°, 18%, 42%
HSV	66°, 31%, 50%
XYZ	17.5196, 20.0943, 12.1861
YIQ	121.3580, 10.1350, -12.9770

Conversions

Conversions Part 2

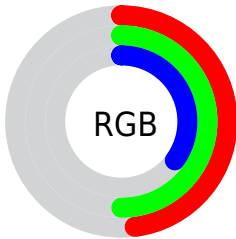
Format	Color
RYB	88, 127, 92
Decimal	8093528
CIELab	51.94, -8.31, 20.76
CIELCh	52, 22.362, 111.804
Yxy	20.0943, 0.3518, 0.4035
Android (android.graphics.Color)	4286283608 (0xFF7B7F58)
YUV	121.3580, -16.4455, 1.4400
Hunter-Lab	44.8267, -8.6834, 15.2608

Details

The Yxy color **20.0943, 0.3518, 0.4035** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.7855, 0.2663, 0.2448**, and the grayscale version is **19.2948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7076, 0.3436, 0.3869**, and **7.0718, 0.3665, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **19.8074, 0.3640, 0.4278**, and if you desaturate by 10%, it is **20.4209, 0.3391, 0.3788**.

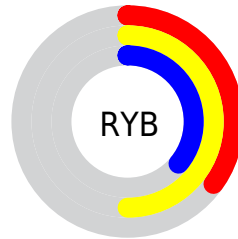
Distribution



Red (48%)

Green (50%)

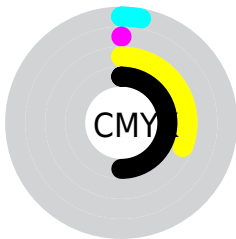
Blue (35%)



Red (35%)

Yellow (50%)

Blue (36%)

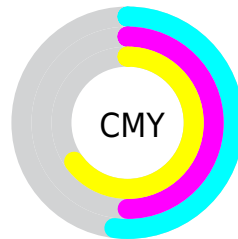


Cyan (3%)

Magenta (0%)

Yellow (31%)

Black (50%)



Cyan (52%)


Magenta (50%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0943, 0.3518, 0.4035 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 20.0943, 0.3518, 0.4035 by changing the saturation by 10% instead.


 20.0943, 0.3518,
0.4035


 20.0943, 0.3518,
0.4035


252.4252, 0.3302,
0.3604

 12.4636, 0.3578,
0.4167


 43.5752, 0.3435,
0.3862


 7.0602, 0.3658,
0.4352


 60.1943, 0.3405,
0.3802


 3.4998, 0.3765,
0.4631

 80.5782, 0.3380,
0.3754

 1.3979, 0.4341,
0.5659

 105.1114, 0.3359,
0.3714

 0.2152, 0.0081,
0.9919

 134.1783, 0.3342,
0.3680

 0.0000, 0.0000,
0.0000

168.1633, 0.3327,

0.3651

207.4508, 0.3314,
0.3626

■ 20.0943, 0.3518,
0.4035

■ 20.0943, 0.3518,
0.4035

■ 19.8074, 0.3640,
0.4278

■ 20.4209, 0.3391,
0.3788

■ 19.5557, 0.3751,
0.4507

■ 20.7863, 0.3262,
0.3543

■ 19.3380, 0.3847,
0.4713

■ 21.1931, 0.3136,
0.3306

■ 19.1519, 0.3924,
0.4889

■ 21.6429, 0.3015,
0.3082

■ 18.9948, 0.3977,
0.5026

■ 22.1370, 0.2900,
0.2872

■ 18.8638, 0.4006,
0.5123

■ 22.6769, 0.2792,
0.2679

■ 18.7563, 0.4020,
0.5190

■ 23.2640, 0.2693,
0.2501

■ 23.8996, 0.2601,
0.2339

■ 24.5848, 0.2518,
0.2192

Harmonies

Analogous

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



20.0943, 0.3831, 0.3902



20.0943, 0.3518, 0.4035



20.0943, 0.3112, 0.3943

Triad

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



20.0943, 0.3518, 0.4035



20.0943, 0.2364, 0.2875



20.0943, 0.3517, 0.2974

Complementary

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



20.0943, 0.3518, 0.4035



10.7855, 0.2663, 0.2448

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.



20.0943, 0.3098, 0.2737



20.0943, 0.3518, 0.4035



20.0943, 0.2453, 0.2667

Square

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



20.0943, 0.3518, 0.4035



20.0943, 0.2459, 0.3226



20.0943, 0.2713, 0.2625



20.0943, 0.3839, 0.3289

Rectangle

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



20.0943, 0.3518, 0.4035



20.0943, 0.2847, 0.3754



20.0943, 0.2713, 0.2625



20.0943, 0.3381, 0.2883

Sweetspot

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



20.0952, 0.3518, 0.4035



37.3267, 0.3243, 0.3507



12.8527, 0.3758, 0.3370



8.7187, 0.3259, 0.3537



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.



20.0952, 0.3518, 0.4035



35.6086, 0.3606, 0.4210



18.8028, 0.3272, 0.4098



4.9978, 0.3242, 0.3504



18.9153, 0.4020, 0.5190



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7855, 0.2663, 0.2448



16.0902, 0.2532, 0.2218



11.9162, 0.2933, 0.2509



4.2312, 0.3007, 0.3068



1.6314, 0.1549, 0.0627



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0943, 0.3518, 0.4035 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 20.0943, 0.3518, 0.4035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

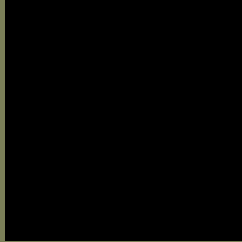
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

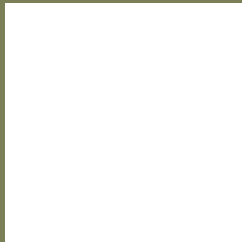
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0943, 0.3518, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 20.0943, 0.3518, 0.4035.



This preview shows how white text looks on a background with the Yxy color 20.0943, 0.3518, 0.4035.

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

20.0943, 0.3518, 0.4035

Protanopia

20.1718, 0.3689, 0.3967

Deuteranopia

20.1349, 0.3857, 0.3793



Tritanopia

20.1470, 0.3098, 0.3128

Trichromacy



Original Color

20.0943, 0.3518, 0.4035

Protanomaly

20.1012, 0.3631, 0.3997

Deuteranomaly

20.0436, 0.3730, 0.3885

Tritanomaly

20.0887, 0.3254, 0.3458

Monochromacy



Original Color

20.0943, 0.3518, 0.4035

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4076, 0.3276, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0943, 0.3518, 0.4035 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 88) }
```

Border

The CSS property to change the border of an element to Yxy 20.0943, 0.3518, 0.4035 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, 88) }
```

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

```
.border{ border-color:rgb(123, 127, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 127, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 127, 88);  
box-shadow:4px 4px 4px 4px rgb(123, 127,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0943, 0.3518, 0.4035 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, 88) }
```

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

```
.background{ background-color: rgb(123,  
127, 88) }
```

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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