

Converting Colors

$Y_{xy}(20.2530, 0.3521, 0.4043)$

Have a look what the booklet for
Yxy(20.2530, 0.3521, 0.4043)
contains.

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Color

Yxy(20.3539, 0.3513, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	7B8058
RGB	123, 128, 88
RGB Percent	48%, 50%, 35%
CMY	0.5177, 0.4980, 0.6549
CMYK	0.04, 0.00, 0.31, 0.50
HSL	68°, 19%, 42%
HSV	68°, 31%, 50%
XYZ	17.6464, 20.3539, 12.2314
YIQ	121.9450, 9.8600, -13.5000

Conversions

Conversions Part 2

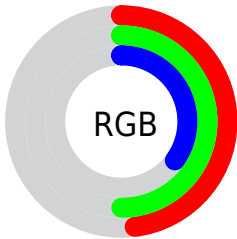
Format	Color
RYB	88, 128, 93
Decimal	8093784
CIELab	52.24, -8.88, 21.14
CIELCh	52, 22.933, 112.774
Yxy	20.3539, 0.3513, 0.4052
Android (android.graphics.Color)	4286283864 (0xFF7B8058)
YUV	121.9450, -16.7349, 0.9252
Hunter-Lab	45.1153, -9.1332, 15.5063

Details

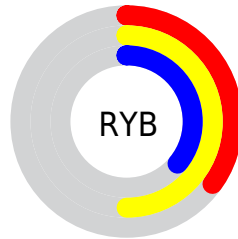
The Yxy color $20.3539, 0.3513, 0.4052$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.8678, 0.2665, 0.2433$, and the grayscale version is $19.4958, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1128, 0.3434, 0.3882$, and $7.2150, 0.3655, 0.4368$ is the 20% darker color. If you saturate the color by 10%, you get $20.0431, 0.3630, 0.4297$, and if you desaturate by 10%, it is $20.7057, 0.3390, 0.3803$.

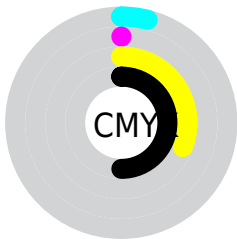
Distribution



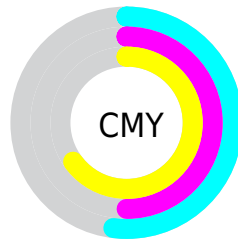
- Red (48%)
- Green (50%)
- Blue (35%)



- Red (35%)
- Yellow (50%)
- Blue (36%)



- Cyan (4%)
- Magenta (0%)
- Yellow (31%)
- Black (50%)





- Cyan (52%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3539, 0.3513, 0.4052 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 20.3539, 0.3513, 0.4052 by changing the saturation by 10% instead.


 20.3539, 0.3513,
0.4052


 20.3539, 0.3513,
0.4052


253.8246, 0.3301,
0.3612


 12.6526, 0.3572,
0.4186


 44.0097, 0.3431,
0.3875

 7.1897, 0.3649,
0.4376

 60.7330, 0.3402,
0.3814


 3.5810, 0.3751,
0.4659

 81.2324, 0.3378,
0.3765

 1.4421, 0.4309,
0.5691

 105.8923, 0.3357,
0.3724

 0.2474, 0.0695,
0.9305

 135.0970, 0.3340,
0.3689

 0.0000, 0.0000,
0.0000

169.2311, 0.3325,

0.3660

208.6788, 0.3312,
0.3634

■ 20.3539, 0.3513,
0.4052

■ 20.3539, 0.3513,
0.4052

■ 20.0431, 0.3630,
0.4297

■ 20.7057, 0.3390,
0.3803

■ 19.7687, 0.3737,
0.4529

■ 21.0976, 0.3265,
0.3557

■ 19.5294, 0.3828,
0.4738


■ 21.5323, 0.3142,
0.3319


■ 19.3229, 0.3899,
0.4916

■ 22.0112, 0.3024,
0.3094

■ 19.1464, 0.3947,
0.5057

■ 22.5360, 0.2912,
0.2884


 18.9969, 0.3971,
0.5156

 23.1081, 0.2806,
0.2690

 18.8792, 0.3980,
0.5222

 23.7289, 0.2709,
0.2512

 24.3996, 0.2619,
0.2350

 25.1215, 0.2537,
0.2204

Harmonies

Analogous

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



20.3539, 0.3838, 0.3921



20.3539, 0.3513, 0.4052



20.3539, 0.3098, 0.3950

Triad

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



20.3539, 0.3513, 0.4052



20.3539, 0.2349, 0.2856



20.3539, 0.3538, 0.2977

Complementary

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



20.3539, 0.3513, 0.4052



10.8678, 0.2665, 0.2433

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.



20.3539, 0.3111, 0.2732



20.3539, 0.3513, 0.4052



20.3539, 0.2446, 0.2650

Square

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



20.3539, 0.3513, 0.4052



20.3539, 0.2440, 0.3211



20.3539, 0.2715, 0.2613



20.3539, 0.3862, 0.3299

Rectangle

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



20.3539, 0.3513, 0.4052



20.3539, 0.2828, 0.3753



20.3539, 0.2715, 0.2613



20.3539, 0.3400, 0.2884

Sweetspot

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



20.3548, 0.3513, 0.4052



37.2895, 0.3240, 0.3507



13.0655, 0.3769, 0.3384



8.7088, 0.3255, 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.



20.3548, 0.3513, 0.4052



35.4074, 0.3603, 0.4239



19.0493, 0.3266, 0.4116



4.9929, 0.3238, 0.3504



18.7172, 0.3980, 0.5222



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.8678, 0.2665, 0.2433



15.7574, 0.2528, 0.2189



12.0278, 0.2938, 0.2496



4.2357, 0.3010, 0.3069



1.6559, 0.1563, 0.0635



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.3539, 0.3513, 0.4052 looks on a white background.

Color Contrast Check

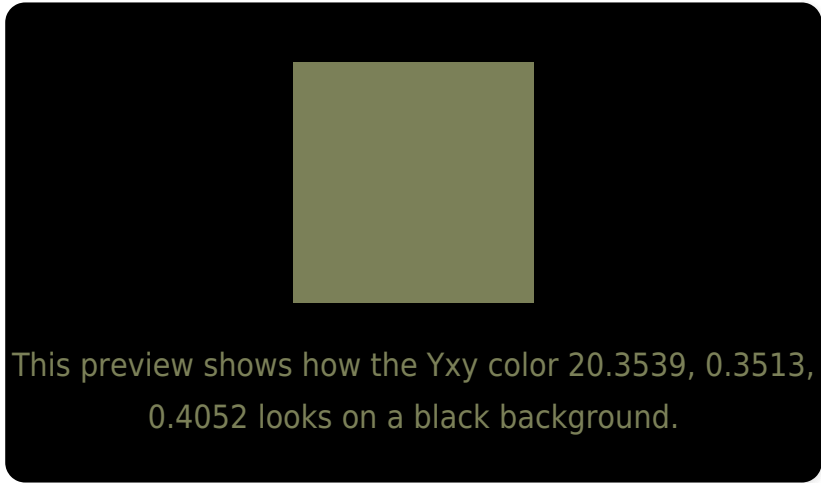
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

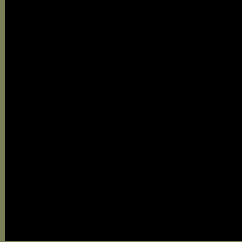
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

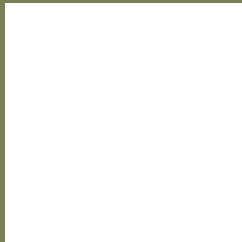
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3539, 0.3513, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 20.3539, 0.3513, 0.4052.



This preview shows how white text looks on a background with the Yxy color 20.3539, 0.3513, 0.4052.

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

20.3539, 0.3513, 0.4052

Protanopia

20.1555, 0.3701, 0.3985

Deuteranopia

20.2277, 0.3870, 0.3790



Tritanopia

20.2521, 0.3099, 0.3111

Trichromacy



Original Color

20.3539, 0.3513, 0.4052

Protanomaly

20.1012, 0.3631, 0.3997

Deuteranomaly

20.1293, 0.3743, 0.3882

Tritanomaly

20.1883, 0.3255, 0.3438

Monochromacy



Original Color

20.3539, 0.3513, 0.4052

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6787, 0.3262, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3539, 0.3513, 0.4052 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, 128, 88)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 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, 128, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 88) }
```

Border

The CSS property to change the border of an element to Yxy 20.3539, 0.3513, 0.4052 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, 128, 88) }
```

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

```
.border{ border-color:rgb(123, 128, 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, 128, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 88);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3539, 0.3513, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 88) }
```

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

```
.background{ background-color: rgb(123,  
128, 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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