

Converting Colors

$Y_{xy}(21.5958, 0.3539, 0.4127)$

Have a look what the booklet for
Yxy(21.5958, 0.3539, 0.4127)
contains.

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Color

Yxy(21.6263, 0.3544, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	7E8457
RGB	126, 132, 87
RGB Percent	49%, 52%, 34%
CMY	0.5059, 0.4823, 0.6588
CMYK	0.05, 0.00, 0.34, 0.48
HSL	68°, 21%, 43%
HSV	68°, 34%, 52%
XYZ	18.5758, 21.6263, 12.2126
YIQ	125.0760, 10.8690, -15.2670

Conversions

Conversions Part 2

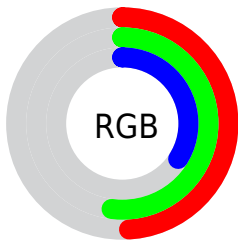
Format	Color
RYB	87, 132, 93
Decimal	8291415
CIELab	53.63, -9.96, 23.60
CIELCh	54, 25.612, 112.886
Yxy	21.6263, 0.3544, 0.4126
Android (android.graphics.Color)	4286481495 (0xFF7E8457)
YUV	125.0760, -18.7715, 0.8103
Hunter-Lab	46.5041, -10.0814, 16.9825

Details

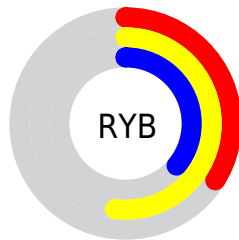
The Yxy color **21.6263, 0.3544, 0.4126** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.8107, 0.2618, 0.2341**, and the grayscale version is **20.5973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0878, 0.3458, 0.3940**, and **7.8831, 0.3671, 0.4470** is the 20% darker color. If you saturate the color by 10%, you get **21.2981, 0.3658, 0.4370**, and if you desaturate by 10%, it is **21.9982, 0.3423, 0.3876**.

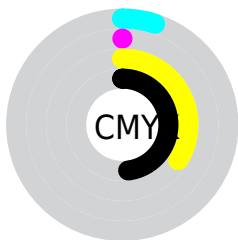
Distribution



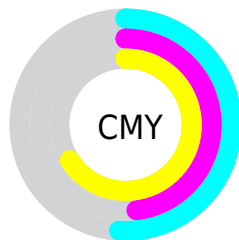
- Red (49%)
- Green (52%)
- Blue (34%)



- Red (34%)
- Yellow (52%)
- Blue (36%)



- Cyan (5%)
- Magenta (0%)
- Yellow (34%)
- Black (48%)




- Cyan (51%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6263, 0.3544, 0.4126 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 21.6263, 0.3544, 0.4126 by changing the saturation by 10% instead.


 21.6263, 0.3544,
0.4126


 21.6263, 0.3544,
0.4126


260.5885, 0.3318,
0.3647


 13.5826, 0.3604,
0.4269


 46.1276, 0.3458,
0.3935


 7.8309, 0.3682,
0.4469


 63.3539, 0.3427,
0.3869

 3.9869, 0.3781,
0.4764

 84.4099, 0.3401,
0.3815

 1.6663, 0.4269,
0.5731

 109.6799, 0.3379,
0.3770

 0.4017, 0.2566,
0.7434

 139.5484, 0.3361,
0.3732

 0.0000, 0.0000,
0.0000

174.3997, 0.3345,

0.3699

214.6183, 0.3330,
0.3672

■ 21.6263, 0.3544,
0.4126

■ 21.6263, 0.3544,
0.4126

■ 21.2981, 0.3658,
0.4370

■ 21.9982, 0.3423,
0.3876

■ 21.0086, 0.3759,
0.4598

■ 22.4130, 0.3299,
0.3627

■ 20.7564, 0.3844,
0.4801


■ 22.8735, 0.3176,
0.3386

■ 20.5389, 0.3907,
0.4970


■ 23.3814, 0.3057,
0.3156


■ 20.3529, 0.3946,
0.5100


■ 23.9384, 0.2944,
0.2941


 20.1948, 0.3962,
0.5188

 24.5461, 0.2837,
0.2742

 20.1072, 0.3967,
0.5233

 25.2060, 0.2738,
0.2560

 25.9195, 0.2647,
0.2393

 26.6880, 0.2563,
0.2243

Harmonies

Analogous

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



21.6263, 0.3901, 0.3977



21.6263, 0.3544, 0.4126



21.6263, 0.3090, 0.4017

Triad

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



21.6263, 0.3544, 0.4126



21.6263, 0.2281, 0.2813



21.6263, 0.3578, 0.2949

Complementary

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



21.6263, 0.3544, 0.4126



10.8107, 0.2618, 0.2341

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.



21.6263, 0.3110, 0.2685



21.6263, 0.3544, 0.4126



21.6263, 0.2386, 0.2592

Square

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



21.6263, 0.3544, 0.4126



21.6263, 0.2378, 0.3199



21.6263, 0.2679, 0.2555



21.6263, 0.3933, 0.3298

Rectangle

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



21.6263, 0.3544, 0.4126



21.6263, 0.2797, 0.3798



21.6263, 0.2679, 0.2555



21.6263, 0.3426, 0.2849

Sweetspot

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



21.6273, 0.3544, 0.4126



39.7820, 0.3252, 0.3532



13.4234, 0.3847, 0.3408



9.2398, 0.3266, 0.3562



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.6273, 0.3544, 0.4126



37.6344, 0.3634, 0.4318



20.1051, 0.3268, 0.4206



5.3924, 0.3238, 0.3506



19.4693, 0.3967, 0.5232



0.0696, 0.4085, 0.5139

Inverse Universe

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



10.8107, 0.2618, 0.2341



15.5279, 0.2475, 0.2086



12.1622, 0.2926, 0.2419



4.5722, 0.3011, 0.3067



1.7355, 0.1567, 0.0637



0.0078, 0.1827, 0.0780

Previews

White Background



This preview shows how the Yxy color 21.6263, 0.3544, 0.4126 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 21.6263, 0.3544, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

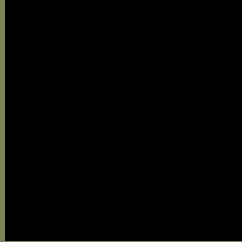
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6263, 0.3544, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 21.6263, 0.3544, 0.4126.



This preview shows how white text looks on a background with the Yxy color 21.6263, 0.3544, 0.4126.

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

21.6263, 0.3544, 0.4126

Protanopia

21.5832, 0.3754, 0.4050

Deuteranopia

21.6595, 0.3922, 0.3857



Tritanopia

21.6048, 0.3088, 0.3115

Trichromacy



Original Color

21.6263, 0.3544, 0.4126

Protanomaly

21.4407, 0.3672, 0.4067

Deuteranomaly

21.4659, 0.3784, 0.3953

Tritanomaly

21.4922, 0.3262, 0.3471

Monochromacy



Original Color

21.6263, 0.3544, 0.4126

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9460, 0.3280, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6263, 0.3544, 0.4126 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(126, 132, 87)` looks like.

```
.text, #text, p{  
    color:rgb(126, 132, 87)  
}
```

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(126, 132, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 132, 87) }
```

Border

The CSS property to change the border of an element to Yxy 21.6263, 0.3544, 0.4126 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(126, 132, 87) }
```

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

```
.border{ border-color:rgb(126, 132, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 132, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 132, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 132, 87);  
box-shadow:4px 4px 4px 4px rgb(126, 132,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6263, 0.3544, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 132, 87) }
```

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

```
.background{ background-color: rgb(126,  
132, 87) }
```

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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