

Converting Colors

$Y_{xy}(21.5464, 0.3576, 0.4557)$

Have a look what the booklet for
Yxy(21.5464, 0.3576, 0.4557)
contains.

Yxy(21.4025, 0.3570, 0.4545)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4025, 0.3570, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	738745
RGB	115, 135, 69
RGB Percent	45%, 53%, 27%
CMY	0.5489, 0.4706, 0.7294
CMYK	0.15, 0.00, 0.49, 0.47
HSL	78°, 32%, 40%
HSV	78°, 49%, 53%
XYZ	16.8112, 21.4025, 8.8765
YIQ	121.4960, 9.2660, -24.7660

Conversions

Conversions Part 2

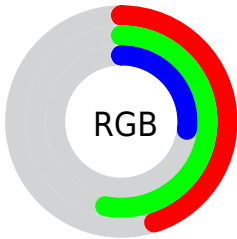
Format	Color
RYB	69, 135, 89
Decimal	7571269
CIELab	53.39, -18.42, 32.91
CIELCh	53, 37.715, 119.230
Yxy	21.4025, 0.3570, 0.4545
Android (android.graphics.Color)	4285761349 (0xFF738745)
YUV	121.4960, -25.8805, -5.6970
Hunter-Lab	46.2628, -16.0958, 21.0079

Details

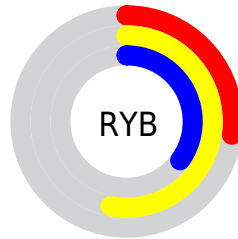
The Yxy color **21.4025, 0.3570, 0.4545** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.1294, 0.2488, 0.1905**, and the grayscale version is **19.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6232, 0.3489, 0.4249**, and **7.6787, 0.3667, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **20.9835, 0.3634, 0.4792**, and if you desaturate by 10%, it is **21.8739, 0.3491, 0.4283**.

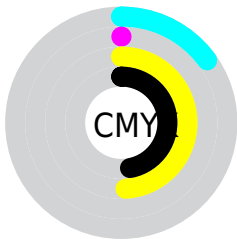
Distribution



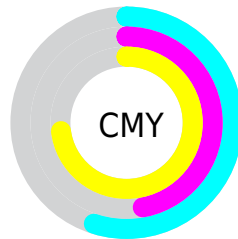
- Red (45%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (35%)



- Cyan (15%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)





- Cyan (55%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4025, 0.3570, 0.4545 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 21.4025, 0.3570, 0.4545 by changing the saturation by 10% instead.


 21.4025, 0.3570,
0.4545


 21.4025, 0.3570,
0.4545

259.4099, 0.3345,
0.3819

 13.4185, 0.3618,
0.4762


 45.7565, 0.3492,
0.4255


 7.7174, 0.3667,
0.5061


 62.8952, 0.3461,
0.4154


 3.9146, 0.3730,
0.5538

 83.8544, 0.3434,
0.4072

 1.6259, 0.3724,
0.6276

 109.0183, 0.3411,
0.4004

 0.3750, 0.0000,
1.0000

 138.7715, 0.3392,
0.3946

 0.0000, 0.0000,
0.0000

173.4982, 0.3374,

0.3898

213.5828, 0.3359,
0.3855

■ 21.4025, 0.3570,
0.4545

■ 21.4025, 0.3570,
0.4545

■ 20.9835, 0.3634,
0.4792

■ 21.8739, 0.3491,
0.4283

■ 20.6111, 0.3680,
0.5013

■ 22.3972, 0.3402,
0.4017

■ 20.2833, 0.3703,
0.5199

■ 22.9759, 0.3308,
0.3754

■ 19.9965, 0.3702,
0.5341


■ 23.6120, 0.3212,
0.3502

■ 19.7418, 0.3683,
0.5447

■ 24.3077, 0.3117,
0.3264

 19.7142, 0.3681,
0.5459

 25.0648, 0.3024,
0.3044

 25.8851, 0.2936,
0.2841

 26.7705, 0.2854,
0.2656

 27.7226, 0.2777,
0.2489

Harmonies

Analogous

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



21.4025, 0.4145, 0.4339



21.4025, 0.3570, 0.4545



21.4025, 0.2909, 0.4317

Triad

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



21.4025, 0.3570, 0.4545



21.4025, 0.1939, 0.2492



21.4025, 0.3923, 0.2890

Complementary

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



21.4025, 0.3570, 0.4545



8.1294, 0.2488, 0.1905

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.



21.4025, 0.3236, 0.2500



21.4025, 0.3570, 0.4545



21.4025, 0.2138, 0.2261

Square

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



21.4025, 0.3570, 0.4545



21.4025, 0.2004, 0.2991



21.4025, 0.2588, 0.2276



21.4025, 0.4393, 0.3379

Rectangle

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



21.4025, 0.3570, 0.4545



21.4025, 0.2510, 0.3927



21.4025, 0.2588, 0.2276



21.4025, 0.3705, 0.2746

Sweetspot

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



21.4035, 0.3570, 0.4545



41.5396, 0.3274, 0.3663



12.6928, 0.4223, 0.3666



9.5727, 0.3292, 0.3710



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.4035, 0.3570, 0.4545



37.4782, 0.3642, 0.4826



19.5599, 0.3189, 0.4713



5.3542, 0.3214, 0.3508



18.1871, 0.3683, 0.5458



0.0668, 0.3931, 0.5261

Inverse Universe

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



8.1294, 0.2488, 0.1905



10.7020, 0.2299, 0.1556



10.1295, 0.2975, 0.2078



4.6078, 0.3035, 0.3069



2.0514, 0.1731, 0.0727



0.0106, 0.2184, 0.0977

Previews

White Background



This preview shows how the Yxy color 21.4025, 0.3570, 0.4545 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 21.4025, 0.3570, 0.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

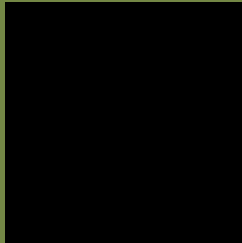
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4025, 0.3570, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 21.4025, 0.3570, 0.4545.



This preview shows how white text looks on a background with the Yxy color 21.4025, 0.3570, 0.4545.

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

21.4025, 0.3570, 0.4545

Protanopia

21.1475, 0.3977, 0.4338

Deuteranopia

21.1112, 0.4163, 0.4083



Tritanopia

21.2700, 0.2986, 0.3110

Trichromacy



Original Color

21.4025, 0.3570, 0.4545

Protanomaly

21.1958, 0.3825, 0.4417

Deuteranomaly

20.9521, 0.3934, 0.4246

Tritanomaly

21.2001, 0.3217, 0.3629

Monochromacy



Original Color

21.4025, 0.3570, 0.4545

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.0800, 0.3298, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4025, 0.3570, 0.4545 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(115, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(115, 135, 69)  
}
```

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(115, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 135, 69) }
```

Border

The CSS property to change the border of an element to Yxy 21.4025, 0.3570, 0.4545 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(115, 135, 69) }
```

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

```
.border{ border-color:rgb(115, 135, 69) }
```

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

Here you see how a box with a 4 pixel rgb(115, 135, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(115, 135,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4025, 0.3570, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 135, 69) }
```

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

```
.background{ background-color: rgb(115,  
135, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor