

Converting Colors

$Y_{xy}(21.1596, 0.3516, 0.4575)$

Have a look what the booklet for
Yxy(21.1596, 0.3516, 0.4575)
contains.

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Color

$\text{Yxy}(21.1371, 0.3521, 0.4567)$

Conversions

Conversions Part 1

Format	Color
Hex	6F8745
RGB	111, 135, 69
RGB Percent	44%, 53%, 27%
CMY	0.5646, 0.4706, 0.7295
CMYK	0.18, 0.00, 0.49, 0.47
HSL	82°, 32%, 40%
HSV	82°, 49%, 53%
XYZ	16.2960, 21.1371, 8.8492
YIQ	120.3000, 6.8820, -25.6140

Conversions

Conversions Part 2

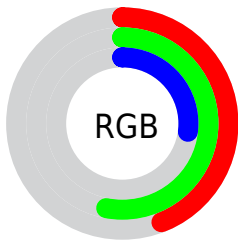
Format	Color
RYB	69, 135, 93
Decimal	7309125
CIELab	53.10, -20.07, 32.50
CIELCh	53, 38.203, 121.696
Yxy	21.1371, 0.3521, 0.4567
Android (android.graphics.Color)	4285499205 (0xFF6F8745)
YUV	120.3000, -25.2909, -8.1561
Hunter-Lab	45.9751, -17.1867, 20.7706

Details

The Yxy color **21.1371, 0.3521, 0.4567** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.3291, 0.2544, 0.1924**, and the grayscale version is **18.9661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1909, 0.3453, 0.4261**, and **7.5470, 0.3593, 0.5099** is the 20% darker color. If you saturate the color by 10%, you get **20.6796, 0.3575, 0.4825**, and if you desaturate by 10%, it is **21.6521, 0.3453, 0.4297**.

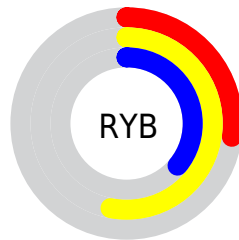
Distribution



Red (44%)

Green (53%)

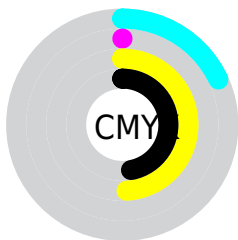
Blue (27%)



Red (27%)

Yellow (53%)

Blue (36%)

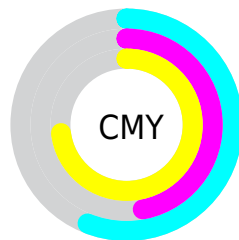


Cyan (18%)

Magenta (0%)

Yellow (49%)

Black (47%)



Cyan (56%)


Magenta (47%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1371, 0.3521, 0.4567 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 21.1371, 0.3521, 0.4567 by changing the saturation by 10% instead.


 21.1371, 0.3521,
0.4567


 21.1371, 0.3521,
0.4567


258.0062, 0.3324,
0.3824


 13.2243, 0.3560,
0.4792


 45.3156, 0.3454,
0.4269


 7.5832, 0.3597,
0.5104


 62.3500, 0.3427,
0.4165


 3.8294, 0.3643,
0.5607

 83.1938, 0.3403,
0.4081

 1.5786, 0.3603,
0.6397

 108.2313, 0.3383,
0.4012

 0.3431, 0.0000,
1.0000

 137.8469, 0.3366,
0.3954

 0.0000, 0.0000,
0.0000

172.4249, 0.3350,

0.3904

212.3499, 0.3337,
0.3861

■ 21.1371, 0.3521,
0.4567

■ 21.1371, 0.3521,
0.4567

■ 20.6796, 0.3575,
0.4825

■ 21.6521, 0.3453,
0.4297

■ 20.2739, 0.3610,
0.5057

■ 22.2243, 0.3374,
0.4024

■ 19.9177, 0.3624,
0.5255

■ 22.8573, 0.3290,
0.3757

■ 19.6072, 0.3615,
0.5408

■ 23.5533, 0.3204,
0.3503

■ 19.3335, 0.3587,
0.5523

■ 24.3143, 0.3118,
0.3265

■ 19.3045, 0.3584,
0.5536

■ 25.1426, 0.3034,
0.3045

■ 26.0400, 0.2954,
0.2844

■ 27.0083, 0.2879,
0.2661

■ 28.0493, 0.2809,
0.2497

Harmonies

Analogous

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



21.1371, 0.4119, 0.4384



21.1371, 0.3521, 0.4567



21.1371, 0.2851, 0.4297

Triad

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



21.1371, 0.3521, 0.4567



21.1371, 0.1928, 0.2449



21.1371, 0.3987, 0.2921

Complementary

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



21.1371, 0.3521, 0.4567



8.3291, 0.2544, 0.1924

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.



21.1371, 0.3296, 0.2516



21.1371, 0.3521, 0.4567



21.1371, 0.2151, 0.2238

Square

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



21.1371, 0.3521, 0.4567



21.1371, 0.1971, 0.2933



21.1371, 0.2626, 0.2272



21.1371, 0.4437, 0.3421

Rectangle

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



21.1371, 0.3521, 0.4567



21.1371, 0.2455, 0.3880



21.1371, 0.2626, 0.2272



21.1371, 0.3771, 0.2772

Sweetspot

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



21.1380, 0.3521, 0.4567



41.3655, 0.3259, 0.3665



13.2505, 0.4191, 0.3727



9.5279, 0.3275, 0.3712



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.



21.1380, 0.3521, 0.4567



36.9257, 0.3581, 0.4860



19.4143, 0.3155, 0.4728



5.3407, 0.3206, 0.3508



17.8096, 0.3586, 0.5534



0.0658, 0.3871, 0.5308

Inverse Universe

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



8.3291, 0.2544, 0.1924



11.0899, 0.2368, 0.1585



10.3713, 0.3026, 0.2096



4.6208, 0.3044, 0.3069



2.2227, 0.1815, 0.0774



0.0116, 0.2298, 0.1040

Previews

White Background



This preview shows how the Yxy color 21.1371, 0.3521, 0.4567 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 21.1371, 0.3521, 0.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

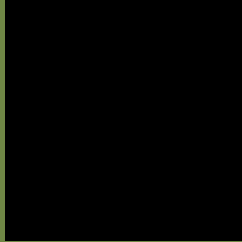
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1371, 0.3521, 0.4567

Background



This preview shows how black text looks on a background with the Yxy color 21.1371, 0.3521, 0.4567.



This preview shows how white text looks on a background with the Yxy color 21.1371, 0.3521, 0.4567.

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

21.1371, 0.3521, 0.4567

Protanopia

21.1475, 0.3977, 0.4338

Deuteranopia

21.0258, 0.4139, 0.4073



Tritanopia

20.9780, 0.2941, 0.3108

Trichromacy



Original Color

21.1371, 0.3521, 0.4567

Protanomaly

21.0376, 0.3799, 0.4428

Deuteranomaly

20.7929, 0.3897, 0.4240

Tritanomaly

20.9170, 0.3169, 0.3634

Monochromacy



Original Color

21.1371, 0.3521, 0.4567

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.3887, 0.3300, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1371, 0.3521, 0.4567 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(111, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(111, 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(111, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 135, 69) }
```

Border

The CSS property to change the border of an element to Yxy 21.1371, 0.3521, 0.4567 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(111, 135, 69) }
```

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

```
.border{ border-color:rgb(111, 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(111, 135, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(111, 135,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1371, 0.3521, 0.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 135, 69) }
```

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

```
.background{ background-color: rgb(111,  
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](#).

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