

Converting Colors

$Y_{xy}(13.9118, 0.3515, 0.5163)$

Have a look what the booklet for
Yxy(13.9118, 0.3515, 0.5163)
contains.

Yxy(13.9855, 0.3520, 0.5164)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9855, 0.3520, 0.5164)

Conversions

Conversions Part 1

Format	Color
Hex	4E7320
RGB	78, 115, 32
RGB Percent	31%, 45%, 13%
CMY	0.6941, 0.5490, 0.8745
CMYK	0.32, 0.00, 0.72, 0.55
HSL	87°, 56%, 29%
HSV	87°, 72%, 45%
XYZ	9.5331, 13.9855, 3.5641
YIQ	94.4750, 4.5910, -33.6570

Conversions

Conversions Part 2

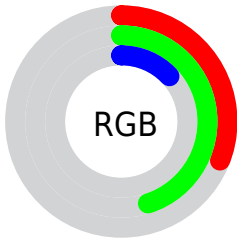
Format	Color
R_{YB}	32, 115, 69
Decimal	5141280
CIE _{Lab}	44.21, -27.22, 39.84
CIE _{LCh}	44, 48.251, 124.349
Yxy	13.9855, 0.3520, 0.5164
Android (android.graphics.Color)	4283331360 (0xFF4E7320)
YUV	94.4750, -30.8002, -14.4486
Hunter-Lab	37.3972, -19.9428, 20.5275

Details

The Yxy color **13.9855, 0.3520, 0.5164** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.5374, 0.2317, 0.1351**, and the grayscale version is **11.3861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9925, 0.3477, 0.4673**, and **4.1576, 0.3370, 0.5707** is the 20% darker color. If you saturate the color by 10%, you get **13.7259, 0.3517, 0.5365**, and if you desaturate by 10%, it is **14.2851, 0.3502, 0.4926**.

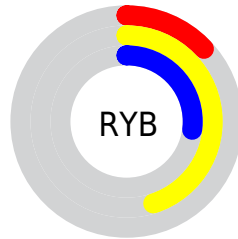
Distribution



Red (31%)

Green (45%)

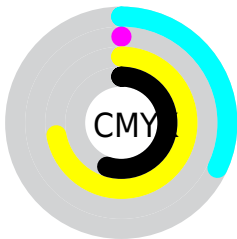
Blue (13%)



Red (13%)

Yellow (45%)

Blue (27%)

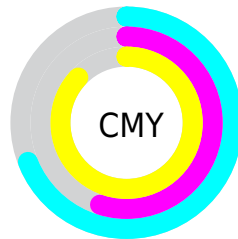


Cyan (32%)

Magenta (0%)

Yellow (72%)

Black (55%)



Cyan (69%)


Magenta (55%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9855, 0.3520, 0.5164 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 13.9855, 0.3520, 0.5164 by changing the saturation by 10% instead.


 13.9855, 0.3520,
0.5164


 13.9855, 0.3520,
0.5164


217.1406, 0.3349,
0.4008


 8.1106, 0.3516,
0.5536


 33.0633, 0.3479,
0.4681


 4.1658, 0.3555,
0.6245

 47.0350, 0.3455,
0.4519


 1.7667, 0.3199,
0.6801

 64.4743, 0.3432,
0.4390

 0.4663, 0.0000,
1.0000

 85.7658, 0.3412,
0.4285


 0.0000, 0.0000,
0.0000


 111.2938, 0.3393,
0.4198


 141.4426, 0.3377,


0.4124


 176.5968, 0.3362,
0.4062


 13.9855, 0.3520,
0.5164


 13.9855, 0.3520,
0.5164


 13.7259, 0.3517,
0.5365


 14.2851, 0.3502,
0.4926


 13.5016, 0.3494,
0.5519

 14.6252, 0.3466,
0.4664

 13.3429, 0.3470,
0.5627

 15.0087, 0.3415,
0.4388

 15.4376, 0.3354,
0.4110

 15.9136, 0.3286,
0.3839

■ 16.4385, 0.3215,
0.3581

■ 17.0139, 0.3143,
0.3340

■ 17.6413, 0.3072,
0.3118

■ 18.3224, 0.3003,
0.2915

Harmonies

Analogous

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



13.9855, 0.4381, 0.4810



13.9855, 0.3520, 0.5164



13.9855, 0.2607, 0.4755

Triad

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



13.9855, 0.3520, 0.5164



13.9855, 0.1524, 0.2062



13.9855, 0.4446, 0.2808

Complementary

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



13.9855, 0.3520, 0.5164



3.5374, 0.2317, 0.1351

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.



13.9855, 0.3438, 0.2273



13.9855, 0.3520, 0.5164



13.9855, 0.1834, 0.1851

Square

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



13.9855, 0.3520, 0.5164



13.9855, 0.1531, 0.2655



13.9855, 0.2481, 0.1935



13.9855, 0.5037, 0.3453

Rectangle

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



13.9855, 0.3520, 0.5164



13.9855, 0.2091, 0.4064



13.9855, 0.2481, 0.1935



13.9855, 0.4133, 0.2613

Sweetspot

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



13.9861, 0.3520, 0.5164



28.4575, 0.3289, 0.3850



7.8806, 0.4777, 0.4006



6.7453, 0.3304, 0.3905



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.9861, 0.3520, 0.5164



24.2850, 0.3502, 0.5480



12.7701, 0.3066, 0.5458



4.1889, 0.3192, 0.3504



15.2399, 0.3465, 0.5630



73.7518, 0.3430, 0.5658

Inverse Universe

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



3.5374, 0.2317, 0.1351



4.3180, 0.2092, 0.1013



5.5526, 0.3089, 0.1719



3.6624, 0.3058, 0.3075



2.2156, 0.1957, 0.0852



10.3039, 0.1904, 0.0823

Previews

White Background



This preview shows how the Yxy color 13.9855, 0.3520, 0.5164 looks on a white background.

Color Contrast Check

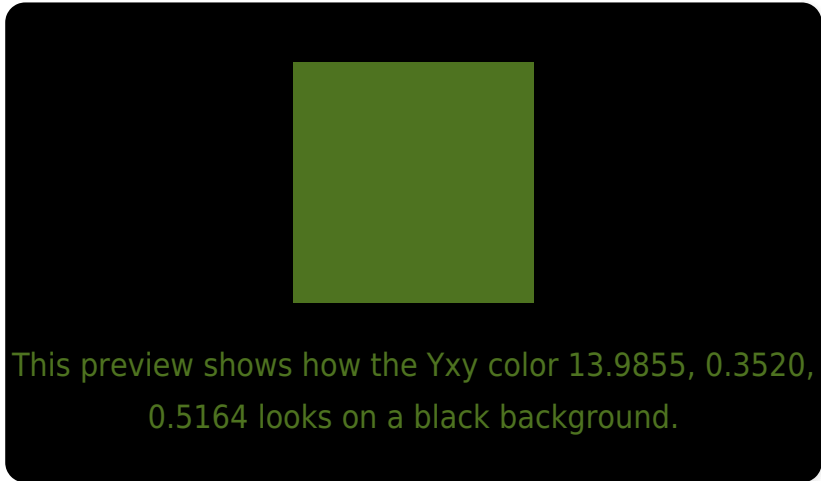
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 13.9855, 0.3520, 0.5164

Background



This preview shows how black text looks on a background with the Yxy color 13.9855, 0.3520, 0.5164.



This preview shows how white text looks on a background with the Yxy color 13.9855, 0.3520, 0.5164.

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

13.9855, 0.3520, 0.5164

Protanopia

13.7712, 0.4249, 0.4678

Deuteranopia

13.8094, 0.4438, 0.4372



Tritanopia

13.9002, 0.2786, 0.3091

Trichromacy



Original Color

13.9855, 0.3520, 0.5164

Protanomaly

13.7024, 0.3972, 0.4863

Deuteranomaly

13.6100, 0.4084, 0.4660

Tritanomaly

13.7390, 0.3099, 0.3884

Monochromacy



Original Color

13.9855, 0.3520, 0.5164

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.0324, 0.3337, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9855, 0.3520, 0.5164 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(78, 115, 32)` looks like.

```
.text, #text, p{  
    color:rgb(78, 115, 32)  
}
```

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(78, 115, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 115, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.9855, 0.3520, 0.5164 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(78, 115, 32) }
```

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

```
.border{ border-color:rgb(78, 115, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 115, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 115, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 115, 32);  
box-shadow:4px 4px 4px 4px rgb(78, 115,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9855, 0.3520, 0.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 115, 32) }
```

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

```
.background{ background-color: rgb(78, 115,  
32) }
```

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