

Converting Colors

$Y_{xy}(13.8211, 0.3351, 0.4525)$

Have a look what the booklet for
Yxy(13.8211, 0.3351, 0.4525)
contains.

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Color

Yxy(13.7643, 0.3345, 0.4513)

Conversions

Conversions Part 1

Format	Color
Hex	53703D
RGB	83, 112, 61
RGB Percent	33%, 44%, 24%
CMY	0.6746, 0.5608, 0.7608
CMYK	0.26, 0.00, 0.46, 0.56
HSL	94°, 29%, 34%
HSV	94°, 46%, 44%
XYZ	10.2020, 13.7643, 6.5329
YIQ	97.5150, -0.9130, -22.0090

Conversions

Conversions Part 2

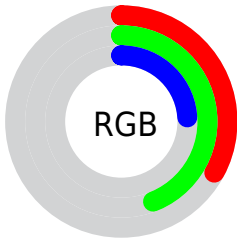
Format	Color
RYB	61, 112, 90
Decimal	5468221
CIELab	43.89, -20.54, 24.97
CIELCh	44, 32.329, 129.441
Yxy	13.7643, 0.3345, 0.4513
Android (android.graphics.Color)	4283658301 (0xFF53703D)
YUV	97.5150, -18.0019, -12.7297
Hunter-Lab	37.1003, -15.8408, 15.5299

Details

The Yxy color **13.7643, 0.3345, 0.4513** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.6819, 0.2784, 0.2111**, and the grayscale version is **12.1321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7234, 0.3316, 0.4195**, and **4.0793, 0.3372, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **13.3799, 0.3373, 0.4803**, and if you desaturate by 10%, it is **14.2018, 0.3306, 0.4221**.

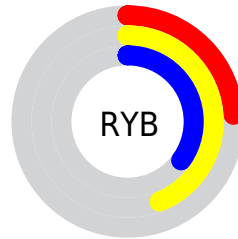
Distribution



Red (33%)

Green (44%)

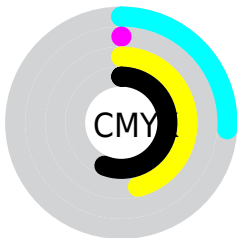
Blue (24%)



Red (24%)

Yellow (44%)

Blue (35%)

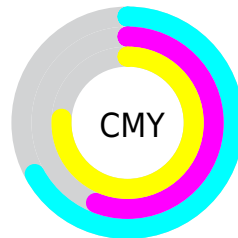


Cyan (26%)

Magenta (0%)

Yellow (46%)

Black (56%)



Cyan (67%)


Magenta (56%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7643, 0.3345, 0.4513 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 13.7643, 0.3345, 0.4513 by changing the saturation by 10% instead.


 13.7643, 0.3345,
0.4513


 13.7643, 0.3345,
0.4513


215.7596, 0.3237,
0.3752


 7.9569, 0.3361,
0.4779


 32.6702, 0.3310,
0.4188


 4.0674, 0.3362,
0.5180

 46.5376, 0.3295,
0.4082


 1.7113, 0.3608,
0.6392

 63.8603, 0.3281,
0.3998

 0.4310, 0.0000,
1.0000

 85.0229, 0.3270,
0.3930

 0.0000, 0.0000,
0.0000

 110.4098, 0.3260,
0.3874

 140.4052, 0.3251,

0.3826

175.3937, 0.3243,
0.3786

■ 13.7643, 0.3345,
0.4513

■ 13.7643, 0.3345,
0.4513

■ 13.3799, 0.3373,
0.4803

■ 14.2018, 0.3306,
0.4221

■ 13.0445, 0.3386,
0.5079

■ 14.6927, 0.3260,
0.3937

■ 12.7561, 0.3382,
0.5325


■ 15.2396, 0.3210,
0.3668


■ 12.5121, 0.3361,
0.5529

■ 15.8445, 0.3157,
0.3419

■ 12.3076, 0.3324,
0.5687


■ 16.5090, 0.3104,
0.3191

 12.2249, 0.3308,
0.5755

 17.2350, 0.3052,
0.2985

 18.0240, 0.3001,
0.2799

 18.8776, 0.2954,
0.2633

 19.7973, 0.2909,
0.2485

Harmonies

Analogous

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



13.7643, 0.3965, 0.4439



13.7643, 0.3345, 0.4513



13.7643, 0.2700, 0.4130

Triad

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



13.7643, 0.3345, 0.4513



13.7643, 0.1985, 0.2390



13.7643, 0.4113, 0.3051

Complementary

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



13.7643, 0.3345, 0.4513



6.6819, 0.2784, 0.2111

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.



13.7643, 0.3475, 0.2622



13.7643, 0.3345, 0.4513



13.7643, 0.2269, 0.2246

Square

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



13.7643, 0.3345, 0.4513



13.7643, 0.1959, 0.2796



13.7643, 0.2794, 0.2336



13.7643, 0.4456, 0.3554

Rectangle

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



13.7643, 0.3345, 0.4513



13.7643, 0.2343, 0.3683



13.7643, 0.2794, 0.2336



13.7643, 0.3922, 0.2896

Sweetspot

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



13.7649, 0.3345, 0.4513



26.8880, 0.3203, 0.3638



11.0780, 0.3960, 0.3926



6.4180, 0.3212, 0.3682



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.7649, 0.3345, 0.4513



23.4453, 0.3374, 0.4829



12.9568, 0.3030, 0.4536



3.8270, 0.3175, 0.3503



14.1175, 0.3303, 0.5759



69.8356, 0.3265, 0.5790

Inverse Universe

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



6.6819, 0.2784, 0.2111



9.2560, 0.2674, 0.1820



7.8778, 0.3237, 0.2299



3.3854, 0.3076, 0.3078



2.5889, 0.2199, 0.0985



12.3797, 0.2148, 0.0957

Previews

White Background



This preview shows how the Yxy color 13.7643, 0.3345, 0.4513 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



This preview shows how the Yxy color 13.7643, 0.3345, 0.4513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

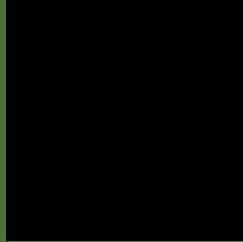
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7643, 0.3345, 0.4513

Background



This preview shows how black text looks on a background with the Yxy color 13.7643, 0.3345, 0.4513.



This preview shows how white text looks on a background with the Yxy color 13.7643, 0.3345, 0.4513.

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

13.7643, 0.3345, 0.4513

Protanopia

13.7835, 0.3901, 0.4250

Deuteranopia

13.6538, 0.4042, 0.3986



Tritanopia

13.7471, 0.2831, 0.3113

Trichromacy



Original Color

13.7643, 0.3345, 0.4513

Protanomaly

13.7147, 0.3692, 0.4350

Deuteranomaly

13.5745, 0.3775, 0.4173

Tritanomaly

13.6261, 0.3019, 0.3592

Monochromacy



Original Color

13.7643, 0.3345, 0.4513

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.6835, 0.3222, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7643, 0.3345, 0.4513 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(83, 112, 61)` looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 61)  
}
```

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(83, 112, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 61) }
```

Border

The CSS property to change the border of an element to Yxy 13.7643, 0.3345, 0.4513 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(83, 112, 61) }
```

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

```
.border{ border-color:rgb(83, 112, 61) }
```

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

Here you see how a box with a 4 pixel rgb(83, 112, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 61);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7643, 0.3345, 0.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 61) }
```

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

```
.background{ background-color: rgb(83, 112,  
61) }
```

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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