

Converting Colors

$Y_{xy}(13.2396, 0.2953, 0.4566)$

Have a look what the booklet for
Yxy(13.2396, 0.2953, 0.4566)
contains.

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Color

Yxy(13.2402, 0.2950, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	377242
RGB	55, 114, 66
RGB Percent	22%, 45%, 26%
CMY	0.7842, 0.5529, 0.7412
CMYK	0.52, 0.00, 0.42, 0.55
HSL	131°, 35%, 33%
HSV	131°, 52%, 45%
XYZ	8.5768, 13.2402, 7.2568
YIQ	90.8870, -19.7560, -27.4360

Conversions

Conversions Part 2

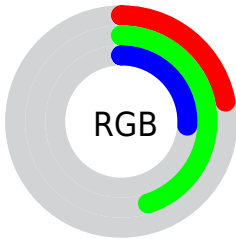
Format	Color
RYB	55, 105, 114
Decimal	3633730
CIELab	43.12, -30.57, 20.85
CIElCh	43, 37.005, 145.710
Yxy	13.2402, 0.2950, 0.4554
Android (android.graphics.Color)	4281823810 (0xFF377242)
YUV	90.8870, -12.2693, -31.4729
Hunter-Lab	36.3871, -21.6033, 13.6465

Details

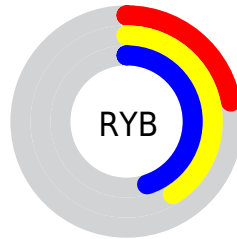
The Yxy color **13.2402, 0.2950, 0.4554** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.2912, 0.3390, 0.2298**, and the grayscale version is **10.4676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5744, 0.3009, 0.4189**, and **3.8385, 0.2801, 0.5283** is the 20% darker color. If you saturate the color by 10%, you get **12.8544, 0.2929, 0.4845**, and if you desaturate by 10%, it is **13.7193, 0.2978, 0.4269**.

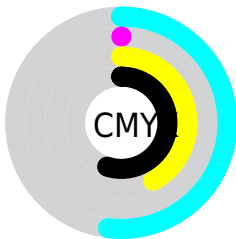
Distribution



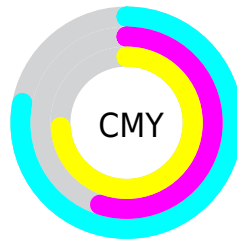
- Red (22%)
- Green (45%)
- Blue (26%)



- Red (22%)
- Yellow (41%)
- Blue (45%)



- Cyan (52%)
- Magenta (0%)
- Yellow (42%)
- Black (55%)





- Cyan (78%)
- Magenta (55%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2402, 0.2950, 0.4554 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 13.2402, 0.2950, 0.4554 by changing the saturation by 10% instead.


 13.2402, 0.2950,
0.4554


 13.2402, 0.2950,
0.4554


212.4514, 0.3080,
0.3751


 7.5942, 0.2887,
0.4850


 31.7346, 0.3014,
0.4203

 3.8364, 0.2773,
0.5317

 45.3518, 0.3032,
0.4091


 1.5825, 0.2710,
0.6759

 62.3949, 0.3046,
0.4004

 0.3457, 0.0000,
1.0000

 83.2481, 0.3056,
0.3933

 0.0000, 0.0000,
0.0000

 108.2960, 0.3064,
0.3875

 137.9229, 0.3070,

0.3827

172.5133, 0.3076,
0.3786

■ 13.2402, 0.2950,
0.4554

■ 13.2402, 0.2950,
0.4554

■ 12.8544, 0.2929,
0.4845

■ 13.7193, 0.2978,
0.4269

■ 12.5541, 0.2918,
0.5129

■ 14.2955, 0.3011,
0.3998

■ 12.3332, 0.2917,
0.5389

■ 14.9745, 0.3047,
0.3749

■ 12.1836, 0.2927,
0.5612

■ 15.7609, 0.3084,
0.3523

■ 12.0897, 0.2935,
0.5764

■ 16.6591, 0.3121,
0.3323

■ 17.6734, 0.3157,
0.3145

■ 18.8077, 0.3191,
0.2990

■ 20.0657, 0.3223,
0.2854

■ 21.4511, 0.3254,
0.2736

Harmonies

Analogous

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



13.2402, 0.3699, 0.4731



13.2402, 0.2950, 0.4554



13.2402, 0.2289, 0.3851

Triad

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



13.2402, 0.2950, 0.4554



13.2402, 0.1969, 0.2141



13.2402, 0.4543, 0.3305

Complementary

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



13.2402, 0.2950, 0.4554



7.2912, 0.3390, 0.2298

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.



13.2402, 0.3955, 0.2773



13.2402, 0.2950, 0.4554



13.2402, 0.2436, 0.2134

Square

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



13.2402, 0.2950, 0.4554



13.2402, 0.1783, 0.2423



13.2402, 0.3151, 0.2360



13.2402, 0.4670, 0.3881

Rectangle

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



13.2402, 0.2950, 0.4554



13.2402, 0.1985, 0.3281



13.2402, 0.3151, 0.2360



13.2402, 0.4390, 0.3120

Sweetspot

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



13.2407, 0.2950, 0.4554



27.0266, 0.3067, 0.3626



15.2054, 0.3686, 0.4548



6.2019, 0.3061, 0.3660



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.



13.2407, 0.2950, 0.4554



22.4796, 0.2926, 0.4899



13.6796, 0.2659, 0.3759



3.7724, 0.3094, 0.3466



13.4560, 0.2937, 0.5772



66.9333, 0.2957, 0.5845

Inverse Universe

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



7.2912, 0.3390, 0.2298



10.7687, 0.3469, 0.2110



6.8018, 0.4044, 0.2886



3.4433, 0.3162, 0.3120



4.8556, 0.3722, 0.1824



24.0698, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 13.2402, 0.2950, 0.4554 looks on a white background.

Color Contrast Check

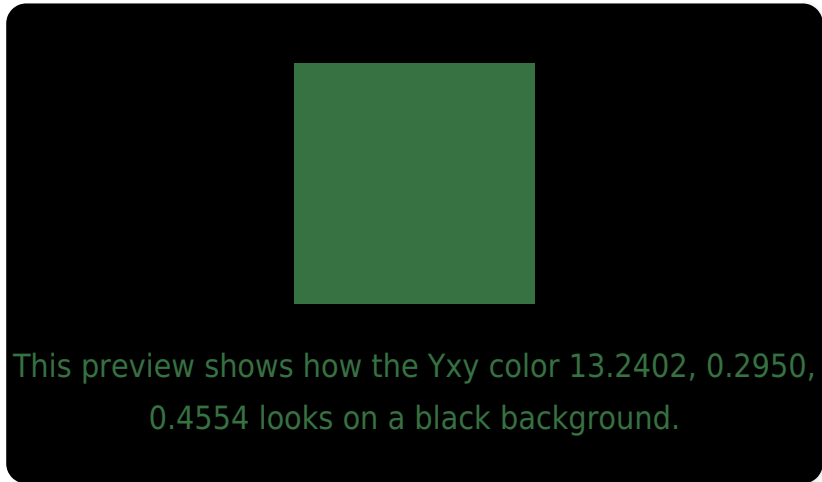
Large Text (above 18pt) WCAG AA ✓ Pass

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

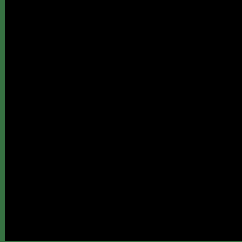
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2402, 0.2950, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 13.2402, 0.2950, 0.4554.



This preview shows how white text looks on a background with the Yxy color 13.2402, 0.2950, 0.4554.

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

13.2402, 0.2950, 0.4554

Protanopia

13.0238, 0.3842, 0.4152

Deuteranopia

13.0565, 0.3909, 0.3847



Tritanopia

13.2028, 0.2538, 0.3078

Trichromacy



Original Color

13.2402, 0.2950, 0.4554

Protanomaly

12.8911, 0.3467, 0.4311

Deuteranomaly

12.6716, 0.3498, 0.4084

Tritanomaly

13.0905, 0.2694, 0.3588

Monochromacy



Original Color

13.2402, 0.2950, 0.4554

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1526, 0.3049, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2402, 0.2950, 0.4554 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(55, 114, 66)` looks like.

```
.text, #text, p{  
    color:rgb(55, 114, 66)  
}
```

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(55, 114, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 114, 66) }
```

Border

The CSS property to change the border of an element to Yxy 13.2402, 0.2950, 0.4554 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(55, 114, 66) }
```

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

```
.border{ border-color:rgb(55, 114, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 114, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 114, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 114, 66);  
box-shadow:4px 4px 4px 4px rgb(55, 114,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2402, 0.2950, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 114, 66) }
```

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

```
.background{ background-color: rgb(55, 114,  
66) }
```

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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