

Converting Colors

$Y_{xy}(13.3638, 0.2951, 0.4463)$

Have a look what the booklet for
Yxy(13.3638, 0.2951, 0.4463)
contains.

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Color

Yxy(13.3638, 0.2951, 0.4463)

Conversions

Conversions Part 1

Format	Color
Hex	3A7245
RGB	58, 114, 69
RGB Percent	23%, 45%, 27%
CMY	0.7725, 0.5529, 0.7294
CMYK	0.49, 0.00, 0.39, 0.55
HSL	132°, 33%, 34%
HSV	132°, 49%, 45%
XYZ	8.8363, 13.3638, 7.7434
YIQ	92.1260, -18.9310, -25.8670

Conversions

Conversions Part 2

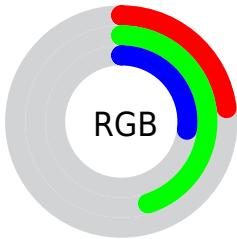
Format	Color
RYB	58, 105, 114
Decimal	3830341
CIELab	43.31, -29.12, 19.39
CIELCh	43, 34.989, 146.345
Yxy	13.3638, 0.2951, 0.4463
Android (android.graphics.Color)	4282020421 (0xFF3A7245)
YUV	92.1260, -11.4011, -29.9285
Hunter-Lab	36.5565, -20.8274, 13.0308

Details

The Yxy color **13.3638, 0.2951, 0.4463** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.5832, 0.3385, 0.2355**, and the grayscale version is **10.7633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8317, 0.3011, 0.4128**, and **3.8637, 0.2784, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **12.9545, 0.2927, 0.4751**, and if you desaturate by 10%, it is **13.8674, 0.2981, 0.4184**.

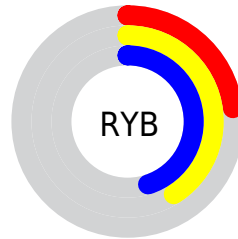
Distribution



Red (23%)

Green (45%)

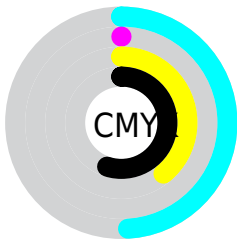
Blue (27%)



Red (23%)

Yellow (41%)

Blue (45%)

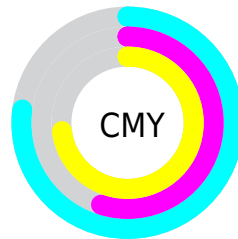


Cyan (49%)

Magenta (0%)

Yellow (39%)

Black (55%)



Cyan (77%)


Magenta (55%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3638, 0.2951, 0.4463 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 13.3638, 0.2951, 0.4463 by changing the saturation by 10% instead.


 13.3638, 0.2951,
0.4463


 13.3638, 0.2951,
0.4463


213.2362, 0.3077,
0.3720


 7.6795, 0.2893,
0.4736


 31.9558, 0.3012,
0.4139


 3.8906, 0.2788,
0.5166

 45.6324, 0.3030,
0.4036


 1.6125, 0.2703,
0.6324


 62.7418, 0.3043,
0.3955

 0.3660, 0.0000,
1.0000

 83.6686, 0.3053,
0.3890

 0.0000, 0.0000,
0.0000

 108.7970, 0.3061,
0.3836

 138.5115, 0.3067,

0.3791

173.1964, 0.3073,
0.3753

■ 13.3638, 0.2951,
0.4463

■ 13.3638, 0.2951,
0.4463

■ 12.9545, 0.2927,
0.4751

■ 13.8674, 0.2981,
0.4184

■ 12.6321, 0.2913,
0.5035

■ 14.4691, 0.3016,
0.3922

■ 12.3906, 0.2909,
0.5302

■ 15.1743, 0.3054,
0.3682


■ 12.2224, 0.2918,
0.5537


■ 15.9877, 0.3092,
0.3466


■ 12.1042, 0.2929,
0.5731


■ 16.9135, 0.3130,
0.3274

 12.0946, 0.2929,
0.5746

 17.9559, 0.3167,
0.3105

 19.1186, 0.3203,
0.2957

 20.4056, 0.3236,
0.2827

 21.8202, 0.3267,
0.2715

Harmonies

Analogous

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



13.3638, 0.3662, 0.4650



13.3638, 0.2951, 0.4463



13.3638, 0.2325, 0.3801

Triad

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



13.3638, 0.2951, 0.4463



13.3638, 0.2033, 0.2196



13.3638, 0.4469, 0.3323

Complementary

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



13.3638, 0.2951, 0.4463



7.5832, 0.3385, 0.2355

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.



13.3638, 0.3923, 0.2811



13.3638, 0.2951, 0.4463



13.3638, 0.2486, 0.2191

Square

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



13.3638, 0.2951, 0.4463



13.3638, 0.1848, 0.2463



13.3638, 0.3168, 0.2411



13.3638, 0.4584, 0.3873

Rectangle

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



13.3638, 0.2951, 0.4463



13.3638, 0.2038, 0.3271



13.3638, 0.3168, 0.2411



13.3638, 0.4328, 0.3145

Sweetspot

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



13.3644, 0.2951, 0.4463



27.1761, 0.3068, 0.3599



15.2679, 0.3662, 0.4488



6.2333, 0.3062, 0.3634



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.



13.3644, 0.2951, 0.4463



22.6759, 0.2925, 0.4791



13.7842, 0.2676, 0.3731



3.7730, 0.3093, 0.3463



13.4609, 0.2932, 0.5754



66.9539, 0.2953, 0.5829

Inverse Universe

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



7.5832, 0.3385, 0.2355



11.2180, 0.3464, 0.2168



7.1219, 0.3976, 0.2905



3.4428, 0.3163, 0.3123



4.8327, 0.3754, 0.1842



23.9512, 0.3790, 0.1861

Previews

White Background



This preview shows how the Yxy color 13.3638, 0.2951, 0.4463 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 13.3638, 0.2951, 0.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

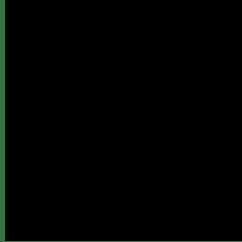
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3638, 0.2951, 0.4463

Background



This preview shows how black text looks on a background with the Yxy color 13.3638, 0.2951, 0.4463.



This preview shows how white text looks on a background with the Yxy color 13.3638, 0.2951, 0.4463.

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

13.3638, 0.2951, 0.4463

Protanopia

13.2524, 0.3793, 0.4109

Deuteranopia

13.2814, 0.3856, 0.3806



Tritanopia

13.2747, 0.2558, 0.3079

Trichromacy



Original Color

13.3638, 0.2951, 0.4463

Protanomaly

12.9767, 0.3445, 0.4237

Deuteranomaly

12.9652, 0.3468, 0.4031

Tritanomaly

13.1958, 0.2694, 0.3535

Monochromacy



Original Color

13.3638, 0.2951, 0.4463

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4599, 0.3051, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3638, 0.2951, 0.4463 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(58, 114, 69)` looks like.

```
.text, #text, p{  
    color:rgb(58, 114, 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(58, 114, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 114, 69) }
```

Border

The CSS property to change the border of an element to Yxy 13.3638, 0.2951, 0.4463 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(58, 114, 69) }
```

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

```
.border{ border-color:rgb(58, 114, 69) }
```

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

Here you see how a box with a 4 pixel rgb(58, 114, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 114, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 114, 69);  
box-shadow:4px 4px 4px 4px rgb(58, 114,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3638, 0.2951, 0.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 114, 69) }
```

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

```
.background{ background-color: rgb(58, 114,  
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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