

Converting Colors

$Y_{xy}(13.7492, 0.3010, 0.4657)$

Have a look what the booklet for
Yxy(13.7492, 0.3010, 0.4657)
contains.

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Color

Yxy(13.7492, 0.3010, 0.4657)

Conversions

Conversions Part 1

Format	Color
Hex	3A743F
RGB	58, 116, 63
RGB Percent	23%, 45%, 25%
CMY	0.7726, 0.5451, 0.7529
CMYK	0.50, 0.00, 0.46, 0.55
HSL	125°, 33%, 34%
HSV	125°, 50%, 45%
XYZ	8.8866, 13.7492, 6.8879
YIQ	92.6160, -17.5550, -28.7790

Conversions

Conversions Part 2

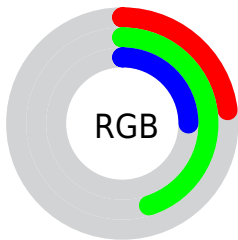
Format	Color
RYB	58, 111, 116
Decimal	3830847
CIELab	43.87, -31.13, 23.54
CIElCh	44, 39.025, 142.908
Yxy	13.7492, 0.3010, 0.4657
Android (android.graphics.Color)	4282020927 (0xFF3A743F)
YUV	92.6160, -14.6007, -30.3582
Hunter-Lab	37.0799, -22.1102, 14.9424

Details

The Yxy color **13.7492, 0.3010, 0.4657** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.8849, 0.3271, 0.2226**, and the grayscale version is **10.8891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7970, 0.3056, 0.4279**, and **4.0580, 0.2853, 0.5470** is the 20% darker color. If you saturate the color by 10%, you get **13.3332, 0.2992, 0.4975**, and if you desaturate by 10%, it is **14.2675, 0.3032, 0.4341**.

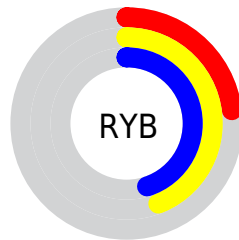
Distribution



Red (23%)

Green (45%)

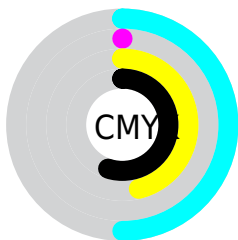
Blue (25%)



Red (23%)

Yellow (44%)

Blue (45%)

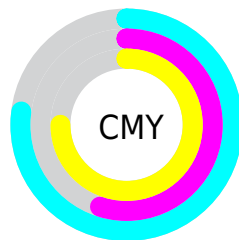


Cyan (50%)

Magenta (0%)

Yellow (46%)

Black (55%)



Cyan (77%)

Magenta (55%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7492, 0.3010, 0.4657 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 13.7492, 0.3010, 0.4657 by changing the saturation by 10% instead.


 13.7492, 0.3010,
0.4657


 13.7492, 0.3010,
0.4657


215.6650, 0.3108,
0.3792


 7.9464, 0.2955,
0.4971


 32.6434, 0.3062,
0.4281


 4.0607, 0.2849,
0.5460

 46.5035, 0.3076,
0.4161


 1.7076, 0.2875,
0.7016

 63.8183, 0.3085,
0.4066

 0.4286, 0.0000,
1.0000

 84.9721, 0.3092,
0.3990

 0.0000, 0.0000,
0.0000

 110.3492, 0.3098,
0.3927

 140.3342, 0.3102,

0.3875

175.3113, 0.3105,
0.3830

■ 13.7492, 0.3010,
0.4657

■ 13.7492, 0.3010,
0.4657

■ 13.3332, 0.2992,
0.4975

■ 14.2675, 0.3032,
0.4341

■ 13.0112, 0.2980,
0.5278

■ 14.8924, 0.3055,
0.4040

■ 12.7762, 0.2974,
0.5544

■ 15.6302, 0.3080,
0.3762

■ 12.6198, 0.2975,
0.5756

■ 16.4859, 0.3104,
0.3512

■ 12.5139, 0.2974,
0.5907

■ 17.4644, 0.3127,
0.3290

■ 18.5704, 0.3149,
0.3096

■ 19.8081, 0.3169,
0.2926

■ 21.1817, 0.3188,
0.2779

■ 22.6953, 0.3205,
0.2652

Harmonies

Analogous

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



13.7492, 0.3784, 0.4776



13.7492, 0.3010, 0.4657



13.7492, 0.2309, 0.3957

Triad

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



13.7492, 0.3010, 0.4657



13.7492, 0.1899, 0.2114



13.7492, 0.4562, 0.3246

Complementary

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



13.7492, 0.3010, 0.4657



7.8849, 0.3271, 0.2226

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.



13.7492, 0.3914, 0.2707



13.7492, 0.3010, 0.4657



13.7492, 0.2352, 0.2085

Square

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



13.7492, 0.3010, 0.4657



13.7492, 0.1734, 0.2431



13.7492, 0.3072, 0.2297



13.7492, 0.4739, 0.3837

Rectangle

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



13.7492, 0.3010, 0.4657



13.7492, 0.1978, 0.3358



13.7492, 0.3072, 0.2297



13.7492, 0.4389, 0.3057

Sweetspot

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



13.7498, 0.3010, 0.4657



28.1439, 0.3091, 0.3643



16.1877, 0.3755, 0.4474



6.6552, 0.3087, 0.3685



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.



13.7498, 0.3010, 0.4657



23.3401, 0.2990, 0.5022



14.1606, 0.2726, 0.3893



4.1029, 0.3106, 0.3489



14.0407, 0.2976, 0.5912



68.3655, 0.2988, 0.5956

Inverse Universe

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



7.8849, 0.3271, 0.2226



11.7498, 0.3309, 0.2024



7.3492, 0.3868, 0.2775



3.7527, 0.3149, 0.3098



5.3325, 0.3431, 0.1664



25.9228, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 13.7492, 0.3010, 0.4657 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 13.7492, 0.3010, 0.4657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

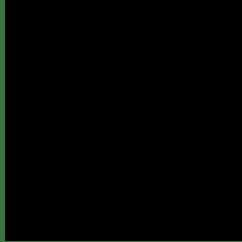
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7492, 0.3010, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 13.7492, 0.3010, 0.4657.



This preview shows how white text looks on a background with the Yxy color 13.7492, 0.3010, 0.4657.

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

13.7492, 0.3010, 0.4657

Protanopia

13.5167, 0.3895, 0.4237

Deuteranopia

13.6140, 0.3983, 0.3933



Tritanopia

13.7859, 0.2556, 0.3082

Trichromacy



Original Color

13.7492, 0.3010, 0.4657

Protanomaly

13.3785, 0.3521, 0.4406

Deuteranomaly

13.2058, 0.3572, 0.4178

Tritanomaly

13.6474, 0.2720, 0.3607

Monochromacy



Original Color

13.7492, 0.3010, 0.4657

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6220, 0.3076, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7492, 0.3010, 0.4657 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, 116, 63)` looks like.

```
.text, #text, p{  
    color:rgb(58, 116, 63)  
}
```

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, 116, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 116, 63) }
```

Border

The CSS property to change the border of an element to Yxy 13.7492, 0.3010, 0.4657 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, 116, 63) }
```

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

```
.border{ border-color:rgb(58, 116, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 116, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 116, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 116, 63);  
box-shadow:4px 4px 4px 4px rgb(58, 116,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7492, 0.3010, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 116, 63) }
```

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

```
.background{ background-color: rgb(58, 116,  
63) }
```

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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