

Converting Colors

$Y_{xy}(13.6751, 0.3096, 0.4454)$

Have a look what the booklet for
Yxy(13.6751, 0.3096, 0.4454)
contains.

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Color

Yxy(13.7051, 0.3095, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	457243
RGB	69, 114, 67
RGB Percent	27%, 45%, 26%
CMY	0.7294, 0.5529, 0.7372
CMYK	0.39, 0.00, 0.41, 0.55
HSL	117°, 26%, 35%
HSV	117°, 41%, 45%
XYZ	9.4851, 13.7051, 7.4563
YIQ	95.1870, -11.7330, -24.1570

Conversions

Conversions Part 2

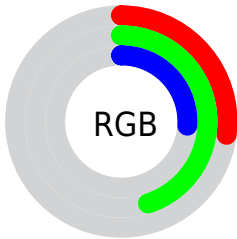
Format	Color
RYB	67, 114, 112
Decimal	4551235
CIELab	43.81, -25.87, 21.29
CIELCh	44, 33.504, 140.545
Yxy	13.7051, 0.3095, 0.4472
Android (android.graphics.Color)	4282741315 (0xFF457243)
YUV	95.1870, -13.8962, -22.9660
Hunter-Lab	37.0204, -19.0518, 13.9727

Details

The Yxy color **13.7051, 0.3095, 0.4472** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.6747, 0.3137, 0.2321**, and the grayscale version is **11.5277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4553, 0.3114, 0.4142**, and **3.9912, 0.2998, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **13.2189, 0.3082, 0.4809**, and if you desaturate by 10%, it is **14.2929, 0.3106, 0.4145**.

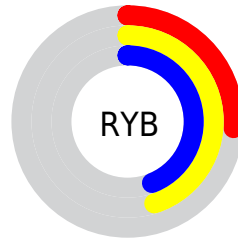
Distribution



Red (27%)

Green (45%)

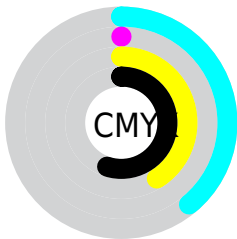
Blue (26%)



Red (26%)

Yellow (45%)

Blue (44%)

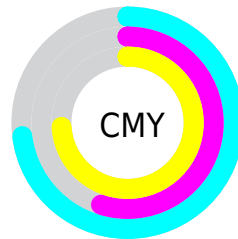


Cyan (39%)

Magenta (0%)

Yellow (41%)

Black (55%)



Cyan (73%)


Magenta (55%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7051, 0.3095, 0.4472 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 13.7051, 0.3095, 0.4472 by changing the saturation by 10% instead.


 13.7051, 0.3095,
0.4472


 13.7051, 0.3095,
0.4472


215.3884, 0.3135,
0.3729


 7.9158, 0.3065,
0.4740


 32.5648, 0.3120,
0.4151


 4.0411, 0.3001,
0.5156

 46.4041, 0.3126,
0.4047


 1.6966, 0.3049,
0.6298

 63.6956, 0.3129,
0.3966

 0.4215, 0.0000,
1.0000

 84.8235, 0.3131,
0.3900

 0.0000, 0.0000,
0.0000

 110.1724, 0.3133,
0.3846

140.1265, 0.3134,

0.3800

175.0704, 0.3135,
0.3762

■ 13.7051, 0.3095,
0.4472

■ 13.7051, 0.3095,
0.4472

■ 13.2189, 0.3082,
0.4809

■ 14.2929, 0.3106,
0.4145

■ 12.8269, 0.3068,
0.5139

■ 14.9856, 0.3115,
0.3840

■ 12.5234, 0.3052,
0.5440

■ 15.7888, 0.3121,
0.3564


■ 12.3017, 0.3036,
0.5689


■ 16.7069, 0.3127,
0.3318


■ 12.1537, 0.3022,
0.5867


■ 17.7442, 0.3130,
0.3102

 12.0662, 0.3016,
0.5987

 18.9048, 0.3133,
0.2914

 20.1925, 0.3135,
0.2750

 21.6111, 0.3136,
0.2609

 23.1640, 0.3137,
0.2487

Harmonies

Analogous

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



13.7051, 0.3768, 0.4560



13.7051, 0.3095, 0.4472



13.7051, 0.2466, 0.3916

Triad

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



13.7051, 0.3095, 0.4472



13.7051, 0.2026, 0.2274



13.7051, 0.4329, 0.3227

Complementary

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



13.7051, 0.3095, 0.4472



8.6747, 0.3137, 0.2321

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.



13.7051, 0.3752, 0.2749



13.7051, 0.3095, 0.4472



13.7051, 0.2413, 0.2221

Square

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



13.7051, 0.3095, 0.4472



13.7051, 0.1899, 0.2587



13.7051, 0.3031, 0.2393



13.7051, 0.4527, 0.3754

Rectangle

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



13.7051, 0.3095, 0.4472



13.7051, 0.2156, 0.3418



13.7051, 0.3031, 0.2393



13.7051, 0.4170, 0.3059

Sweetspot

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



13.7057, 0.3095, 0.4472



27.5822, 0.3121, 0.3593



15.4944, 0.3727, 0.4212



6.3477, 0.3120, 0.3617



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.



13.7057, 0.3095, 0.4472



23.3038, 0.3083, 0.4777



13.9356, 0.2848, 0.3930



3.7694, 0.3123, 0.3506



13.4298, 0.3015, 0.5988



66.8038, 0.3006, 0.5995

Inverse Universe

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



8.6747, 0.3137, 0.2321



13.2285, 0.3137, 0.2125



8.3802, 0.3560, 0.2733



3.4466, 0.3131, 0.3082



4.9802, 0.3107, 0.1485



24.7107, 0.3101, 0.1482

Previews

White Background



This preview shows how the Yxy color 13.7051, 0.3095, 0.4472 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 13.7051, 0.3095, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

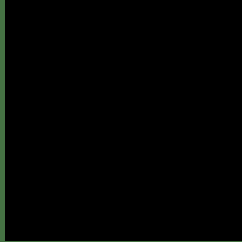
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7051, 0.3095, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 13.7051, 0.3095, 0.4472.



This preview shows how white text looks on a background with the Yxy color 13.7051, 0.3095, 0.4472.

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

13.7051, 0.3095, 0.4472

Protanopia

13.5701, 0.3830, 0.4139

Deuteranopia

13.5896, 0.3909, 0.3859



Tritanopia

13.6717, 0.2662, 0.3085

Trichromacy



Original Color

13.7051, 0.3095, 0.4472

Protanomaly

13.4269, 0.3540, 0.4277

Deuteranomaly

13.2264, 0.3572, 0.4056

Tritanomaly

13.5486, 0.2814, 0.3553

Monochromacy



Original Color

13.7051, 0.3095, 0.4472

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.1371, 0.3122, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7051, 0.3095, 0.4472 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(69, 114, 67)` looks like.

```
.text, #text, p{  
    color:rgb(69, 114, 67)  
}
```

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(69, 114, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 114, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.7051, 0.3095, 0.4472 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(69, 114, 67) }
```

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

```
.border{ border-color:rgb(69, 114, 67) }
```

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

Here you see how a box with a 4 pixel rgb(69, 114, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 114, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 114, 67);  
box-shadow:4px 4px 4px 4px rgb(69, 114,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7051, 0.3095, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 114, 67) }
```

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

```
.background{ background-color: rgb(69, 114,  
67) }
```

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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