

Converting Colors

$Y_{xy}(14.4183, 0.3099, 0.4438)$

Have a look what the booklet for
Yxy(14.4183, 0.3099, 0.4438)
contains.

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Color

Yxy(14.3107, 0.3097, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	487446
RGB	72, 116, 70
RGB Percent	28%, 45%, 27%
CMY	0.7177, 0.5451, 0.7255
CMYK	0.38, 0.00, 0.40, 0.55
HSL	117°, 25%, 36%
HSV	117°, 40%, 45%
XYZ	10.0227, 14.3107, 8.0291
YIQ	97.6000, -11.4580, -23.6340

Conversions

Conversions Part 2

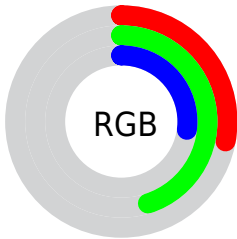
Format	Color
R_{YB}	70, 116, 114
Decimal	4748358
CIE _{Lab}	44.68, -25.31, 20.74
CIE _{LCh}	45, 32.725, 140.663
Yxy	14.3107, 0.3097, 0.4422
Android (android.graphics.Color)	4282938438 (0xFF487446)
YUV	97.6000, -13.6068, -22.4512
Hunter-Lab	37.8295, -18.9092, 13.8966

Details

The Yxy color **14.3107, 0.3097, 0.4422** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.2212, 0.3137, 0.2355**, and the grayscale version is **12.1457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5481, 0.3124, 0.4110**, and **4.2667, 0.3015, 0.5072** is the 20% darker color. If you saturate the color by 10%, you get **13.7899, 0.3084, 0.4759**, and if you desaturate by 10%, it is **14.9380, 0.3107, 0.4097**.

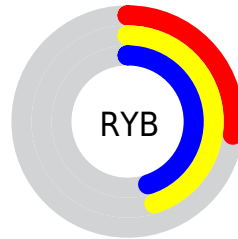
Distribution



Red (28%)

Green (45%)

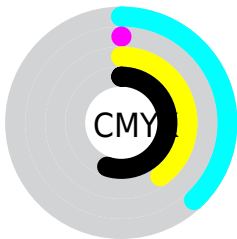
Blue (27%)



Red (27%)

Yellow (45%)

Blue (45%)

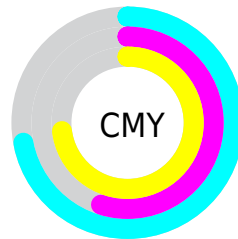


Cyan (38%)

Magenta (0%)

Yellow (40%)

Black (55%)



Cyan (72%)


Magenta (55%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3107, 0.3097, 0.4422 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 14.3107, 0.3097, 0.4422 by changing the saturation by 10% instead.


 14.3107, 0.3097,
0.4422


 14.3107, 0.3097,
0.4422


219.1552, 0.3134,
0.3715

 8.3371, 0.3070,
0.4674


 33.6393, 0.3120,
0.4118


 4.3114, 0.3014,
0.5062

 47.7631, 0.3125,
0.4019


 1.8492, 0.3000,
0.5971

 65.3724, 0.3128,
0.3942

 0.5176, 0.0000,
1.0000

 86.8516, 0.3131,
0.3879

 0.0000, 0.0000,
0.0000

 112.5850, 0.3132,
0.3827

142.9572, 0.3133,

0.3784

178.3525, 0.3134,
0.3747

■ 14.3107, 0.3097,
0.4422

■ 14.3107, 0.3097,
0.4422

■ 13.7899, 0.3084,
0.4759

■ 14.9380, 0.3107,
0.4097

■ 13.3681, 0.3070,
0.5092

■ 15.6755, 0.3116,
0.3796

■ 13.0396, 0.3055,
0.5399


■ 16.5286, 0.3122,
0.3524

■ 12.7972, 0.3039,
0.5657


■ 17.5022, 0.3127,
0.3282


■ 12.6328, 0.3024,
0.5846

■ 18.6005, 0.3131,
0.3070


 12.5275, 0.3016,
0.5983

 19.8278, 0.3133,
0.2886

 12.5241, 0.3016,
0.5987

 21.1881, 0.3135,
0.2726

 22.6853, 0.3136,
0.2588

 24.3229, 0.3137,
0.2468

Harmonies

Analogous

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



14.3107, 0.3747, 0.4514



14.3107, 0.3097, 0.4422



14.3107, 0.2489, 0.3889

Triad

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



14.3107, 0.3097, 0.4422



14.3107, 0.2062, 0.2307



14.3107, 0.4286, 0.3235

Complementary

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



14.3107, 0.3097, 0.4422



9.2212, 0.3137, 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.



14.3107, 0.3732, 0.2769



14.3107, 0.3097, 0.4422



14.3107, 0.2440, 0.2255

Square

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



14.3107, 0.3097, 0.4422



14.3107, 0.1938, 0.2613



14.3107, 0.3038, 0.2423



14.3107, 0.4477, 0.3746

Rectangle

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



14.3107, 0.3097, 0.4422



14.3107, 0.2188, 0.3413



14.3107, 0.3038, 0.2423



14.3107, 0.4133, 0.3071

Sweetspot

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



14.3113, 0.3097, 0.4422



28.6340, 0.3121, 0.3593



16.1237, 0.3706, 0.4180



6.7959, 0.3120, 0.3619



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.



14.3113, 0.3097, 0.4422



24.2745, 0.3085, 0.4744



14.5444, 0.2857, 0.3903



4.1050, 0.3123, 0.3508



14.0515, 0.3015, 0.5988



68.3786, 0.3006, 0.5995

Inverse Universe

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



9.2212, 0.3137, 0.2355



13.9334, 0.3136, 0.2145



8.9262, 0.3539, 0.2754



3.7503, 0.3131, 0.3080



5.2062, 0.3106, 0.1484



25.2720, 0.3100, 0.1481

Previews

White Background



This preview shows how the Yxy color 14.3107, 0.3097, 0.4422 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 14.3107, 0.3097, 0.4422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

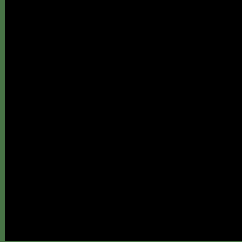
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3107, 0.3097, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 14.3107, 0.3097, 0.4422.



This preview shows how white text looks on a background with the Yxy color 14.3107, 0.3097, 0.4422.

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

14.3107, 0.3097, 0.4422

Protanopia

14.1413, 0.3805, 0.4106

Deuteranopia

14.1484, 0.3896, 0.3851



Tritanopia

14.2331, 0.2669, 0.3089

Trichromacy



Original Color

14.3107, 0.3097, 0.4422

Protanomaly

13.9952, 0.3521, 0.4238

Deuteranomaly

13.8401, 0.3580, 0.4039

Tritanomaly

14.1476, 0.2830, 0.3548

Monochromacy



Original Color

14.3107, 0.3097, 0.4422

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.9316, 0.3122, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3107, 0.3097, 0.4422 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(72, 116, 70)` looks like.

```
.text, #text, p{  
    color:rgb(72, 116, 70)  
}
```

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(72, 116, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 70) }
```

Border

The CSS property to change the border of an element to Yxy 14.3107, 0.3097, 0.4422 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(72, 116, 70) }
```

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

```
.border{ border-color:rgb(72, 116, 70) }
```

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

Here you see how a box with a 4 pixel rgb(72, 116, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 70);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3107, 0.3097, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 116, 70) }
```

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

```
.background{ background-color: rgb(72, 116,  
70) }
```

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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