

Converting Colors

$Y_{xy}(14.6728, 0.3167, 0.4421)$

Have a look what the booklet for
Yxy(14.6728, 0.3167, 0.4421)
contains.

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Color

Yxy(14.7426, 0.3156, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	4D7546
RGB	77, 117, 70
RGB Percent	30%, 46%, 27%
CMY	0.6981, 0.5412, 0.7255
CMYK	0.34, 0.00, 0.40, 0.54
HSL	111°, 25%, 37%
HSV	111°, 40%, 46%
XYZ	10.5266, 14.7426, 8.0851
YIQ	99.6820, -8.7530, -23.0970

Conversions

Conversions Part 2

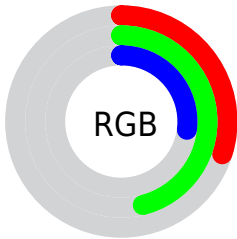
Format	Color
RYB	70, 117, 110
Decimal	5076294
CIELab	45.28, -24.02, 21.59
CIELCh	45, 32.298, 138.049
Yxy	14.7426, 0.3156, 0.4420
Android (android.graphics.Color)	4283266374 (0xFF4D7546)
YUV	99.6820, -14.6332, -19.8921
Hunter-Lab	38.3961, -18.2559, 14.3925

Details

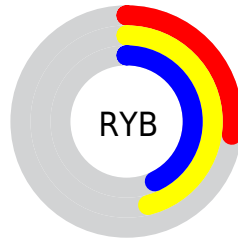
The Yxy color **14.7426, 0.3156, 0.4420** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.9811, 0.3053, 0.2317**, and the grayscale version is **12.6981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2970, 0.3168, 0.4112**, and **4.4656, 0.3106, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **14.2265, 0.3153, 0.4747**, and if you desaturate by 10%, it is **15.3522, 0.3154, 0.4103**.

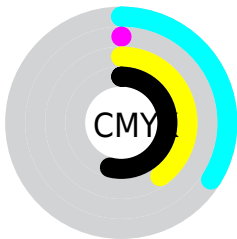
Distribution



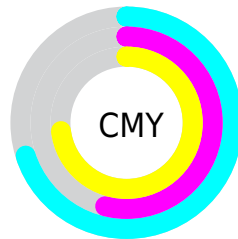
- Red (30%)
- Green (46%)
- Blue (27%)



- Red (27%)
- Yellow (46%)
- Blue (43%)



- Cyan (34%)
- Magenta (0%)
- Yellow (40%)
- Black (54%)




- Cyan (70%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7426, 0.3156, 0.4420 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 14.7426, 0.3156, 0.4420 by changing the saturation by 10% instead.


 14.7426, 0.3156,
0.4420


 14.7426, 0.3156,
0.4420

221.8029, 0.3158,
0.3718


 8.6389, 0.3141,
0.4666


 34.4010, 0.3164,
0.4120


 4.5064, 0.3102,
0.5042

 48.7245, 0.3165,
0.4022


 1.9607, 0.3109,
0.5893

 66.5568, 0.3164,
0.3945

 0.5845, 0.0000,
1.0000

 88.2821, 0.3163,
0.3882

 0.0000, 0.0000,
0.0000

 114.2851, 0.3162,
0.3831

144.9499, 0.3160,

0.3787

180.6610, 0.3159,
0.3750

■ 14.7426, 0.3156,
0.4420

■ 14.7426, 0.3156,
0.4420

■ 14.2265, 0.3153,
0.4747

■ 15.3522, 0.3154,
0.4103

■ 13.7975, 0.3145,
0.5070

■ 16.0577, 0.3147,
0.3807

■ 13.4513, 0.3129,
0.5368

■ 16.8636, 0.3138,
0.3536


■ 13.1824, 0.3107,
0.5621


■ 17.7738, 0.3127,
0.3294

■ 12.9846, 0.3080,
0.5812

■ 18.7918, 0.3116,
0.3079

 12.8466, 0.3059,
0.5953

 19.9209, 0.3103,
0.2891

 21.1645, 0.3091,
0.2726

 22.5256, 0.3079,
0.2581

 24.0071, 0.3068,
0.2456

Harmonies

Analogous

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



14.7426, 0.3787, 0.4474



14.7426, 0.3156, 0.4420



14.7426, 0.2550, 0.3932

Triad

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



14.7426, 0.3156, 0.4420



14.7426, 0.2062, 0.2343



14.7426, 0.4224, 0.3195

Complementary

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



14.7426, 0.3156, 0.4420



8.9811, 0.3053, 0.2317

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.



14.7426, 0.3662, 0.2745



14.7426, 0.3156, 0.4420



14.7426, 0.2413, 0.2271

Square

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



14.7426, 0.3156, 0.4420



14.7426, 0.1963, 0.2667



14.7426, 0.2984, 0.2418



14.7426, 0.4447, 0.3696

Rectangle

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



14.7426, 0.3156, 0.4420



14.7426, 0.2241, 0.3472



14.7426, 0.2984, 0.2418



14.7426, 0.4065, 0.3036

Sweetspot

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



14.7432, 0.3156, 0.4420



29.8712, 0.3140, 0.3592



15.3665, 0.3747, 0.4108



6.8358, 0.3141, 0.3617



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.



14.7432, 0.3156, 0.4420



25.5528, 0.3154, 0.4717



14.7051, 0.2902, 0.4032



4.1219, 0.3137, 0.3507



14.1480, 0.3057, 0.5955



68.7051, 0.3035, 0.5972

Inverse Universe

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



8.9811, 0.3053, 0.2317



13.7312, 0.3029, 0.2105



9.0935, 0.3458, 0.2653



3.7317, 0.3116, 0.3079



4.3705, 0.2849, 0.1343



21.0051, 0.2829, 0.1332

Previews

White Background



This preview shows how the Yxy color 14.7426, 0.3156, 0.4420 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 14.7426, 0.3156, 0.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

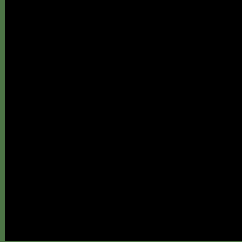
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7426, 0.3156, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 14.7426, 0.3156, 0.4420.



This preview shows how white text looks on a background with the Yxy color 14.7426, 0.3156, 0.4420.

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

14.7426, 0.3156, 0.4420

Protanopia

14.6906, 0.3820, 0.4133

Deuteranopia

14.4958, 0.3919, 0.3863



Tritanopia

14.7034, 0.2716, 0.3093

Trichromacy



Original Color

14.7426, 0.3156, 0.4420

Protanomaly

14.5989, 0.3554, 0.4261

Deuteranomaly

14.2345, 0.3620, 0.4047

Tritanomaly

14.6086, 0.2878, 0.3542

Monochromacy



Original Color

14.7426, 0.3156, 0.4420

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.3046, 0.3150, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7426, 0.3156, 0.4420 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(77, 117, 70)` looks like.

```
.text, #text, p{  
    color:rgb(77, 117, 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(77, 117, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 117, 70) }
```

Border

The CSS property to change the border of an element to Yxy 14.7426, 0.3156, 0.4420 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(77, 117, 70) }
```

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

```
.border{ border-color:rgb(77, 117, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 117, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 117, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 117, 70);  
box-shadow:4px 4px 4px 4px rgb(77, 117,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7426, 0.3156, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 117, 70) }
```

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

```
.background{ background-color: rgb(77, 117,  
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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