

Converting Colors

$Y_{xy}(14.6626, 0.3040, 0.4130)$

Have a look what the booklet for
Yxy(14.6626, 0.3040, 0.4130)
contains.

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Color

Yxy(14.6626, 0.3040, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	4D7451
RGB	77, 116, 81
RGB Percent	30%, 45%, 32%
CMY	0.6979, 0.5451, 0.6823
CMYK	0.34, 0.00, 0.30, 0.55
HSL	126°, 20%, 38%
HSV	126°, 34%, 45%
XYZ	10.7928, 14.6626, 10.0473
YIQ	100.3490, -12.0090, -19.1530

Conversions

Conversions Part 2

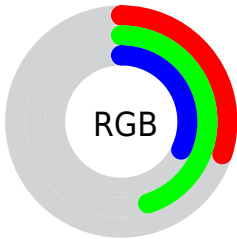
Format	Color
R_{YB}	77, 112, 116
Decimal	5076049
CIE _{Lab}	45.17, -21.53, 15.09
CIE _{LCh}	45, 26.293, 144.988
Yxy	14.6626, 0.3040, 0.4130
Android (android.graphics.Color)	4283266129 (0xFF4D7451)
YUV	100.3490, -9.5391, -20.4771
Hunter-Lab	38.2918, -16.6991, 11.2473

Details

The Yxy color **14.6626, 0.3040, 0.4130** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.1943, 0.3228, 0.2574**, and the grayscale version is **12.8667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1560, 0.3063, 0.3897**, and **4.4177, 0.2965, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **14.0783, 0.3015, 0.4432**, and if you desaturate by 10%, it is **15.3582, 0.3066, 0.3849**.

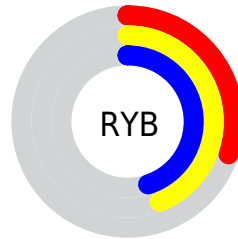
Distribution



Red (30%)

Green (45%)

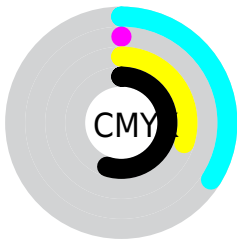
Blue (32%)



Red (30%)

Yellow (44%)

Blue (45%)

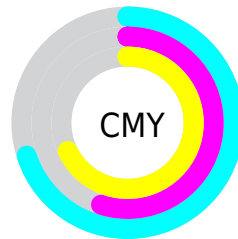


Cyan (34%)

Magenta (0%)

Yellow (30%)

Black (55%)



Cyan (70%)


Magenta (55%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6626, 0.3040, 0.4130 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 14.6626, 0.3040, 0.4130 by changing the saturation by 10% instead.


 14.6626, 0.3040,
0.4130


 14.6626, 0.3040,
0.4130


221.3148, 0.3102,
0.3610


 8.5829, 0.3012,
0.4313


 34.2602, 0.3070,
0.3908


 4.4702, 0.2962,
0.4595

 48.5469, 0.3079,
0.3836

 1.9399, 0.2869,
0.5098

 66.3381, 0.3085,
0.3779

 0.5722, 0.0307,
0.9693

 88.0181, 0.3090,
0.3732

 0.0000, 0.0000,
0.0000

 113.9714, 0.3094,
0.3694

144.5824, 0.3097,

0.3662

180.2354, 0.3100,
0.3634

■ 14.6626, 0.3040,
0.4130

■ 14.6626, 0.3040,
0.4130

■ 14.0783, 0.3015,
0.4432

■ 15.3582, 0.3066,
0.3849

■ 13.5978, 0.2994,
0.4747

■ 16.1684, 0.3092,
0.3593

■ 13.2155, 0.2978,
0.5058


■ 17.0989, 0.3118,
0.3365

■ 12.9245, 0.2968,
0.5349


■ 18.1542, 0.3143,
0.3165


■ 12.7173, 0.2966,
0.5600

■ 19.3387, 0.3166,
0.2989


 12.5835, 0.2970,
0.5794

 20.6567, 0.3187,
0.2837

 12.5164, 0.2969,
0.5889

 22.1120, 0.3207,
0.2705

 23.7085, 0.3225,
0.2591

 25.4499, 0.3242,
0.2491

Harmonies

Analogous

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



14.6626, 0.3569, 0.4273



14.6626, 0.3040, 0.4130



14.6626, 0.2559, 0.3685

Triad

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



14.6626, 0.3040, 0.4130



14.6626, 0.2289, 0.2473



14.6626, 0.4091, 0.3320

Complementary

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



14.6626, 0.3040, 0.4130



10.1943, 0.3228, 0.2574

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.



14.6626, 0.3688, 0.2920



14.6626, 0.3040, 0.4130



14.6626, 0.2635, 0.2450

Square

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



14.6626, 0.3040, 0.4130



14.6626, 0.2154, 0.2704



14.6626, 0.3142, 0.2612



14.6626, 0.4204, 0.3743

Rectangle

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



14.6626, 0.3040, 0.4130



14.6626, 0.2327, 0.3317



14.6626, 0.3142, 0.2612



14.6626, 0.3984, 0.3181

Sweetspot

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



14.6632, 0.3040, 0.4130



28.9456, 0.3101, 0.3514



16.4777, 0.3551, 0.4098



6.8632, 0.3098, 0.3540



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.



14.6632, 0.3040, 0.4130



24.9961, 0.3022, 0.4353



14.9970, 0.2831, 0.3652



4.1037, 0.3104, 0.3486



14.0453, 0.2971, 0.5895



68.3816, 0.2984, 0.5943

Inverse Universe

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



10.1943, 0.3228, 0.2574



15.9076, 0.3254, 0.2419



9.8076, 0.3563, 0.2958



3.7518, 0.3151, 0.3102



5.2903, 0.3474, 0.1688



25.7069, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 14.6626, 0.3040, 0.4130 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 14.6626, 0.3040, 0.4130 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 14.6626, 0.3040, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 14.6626, 0.3040, 0.4130.



This preview shows how white text looks on a background with the Yxy color 14.6626, 0.3040, 0.4130.

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

14.6626, 0.3040, 0.4130

Protanopia

14.4887, 0.3651, 0.3899

Deuteranopia

14.4279, 0.3713, 0.3653



Tritanopia

14.6562, 0.2705, 0.3092

Trichromacy



Original Color

14.6626, 0.3040, 0.4130

Protanomaly

14.4686, 0.3409, 0.4004

Deuteranomaly

14.2657, 0.3444, 0.3814

Tritanomaly

14.6447, 0.2823, 0.3449

Monochromacy



Original Color

14.6626, 0.3040, 0.4130

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.3737, 0.3099, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6626, 0.3040, 0.4130 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, 116, 81)` looks like.

```
.text, #text, p{  
    color:rgb(77, 116, 81)  
}
```

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, 116, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 116, 81) }
```

Border

The CSS property to change the border of an element to Yxy 14.6626, 0.3040, 0.4130 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, 116, 81) }
```

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

```
.border{ border-color:rgb(77, 116, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 116, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 116, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 116, 81);  
box-shadow:4px 4px 4px 4px rgb(77, 116,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6626, 0.3040, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 116, 81) }
```

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

```
.background{ background-color: rgb(77, 116,  
81) }
```

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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