

Converting Colors

$Yxy(16.7359, 0.2690, 0.4701)$

Have a look what the booklet for
Yxy(16.7359, 0.2690, 0.4701)
contains.

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Color

$\text{Yxy}(16.6084, 0.2693, 0.4705)$

Conversions

Conversions Part 1

Format	Color
Hex	14824A
RGB	20, 130, 74
RGB Percent	8%, 51%, 29%
CMY	0.9219, 0.4902, 0.7098
CMYK	0.85, 0.00, 0.43, 0.49
HSL	149°, 73%, 29%
HSV	149°, 85%, 51%
XYZ	9.5061, 16.6084, 9.1849
YIQ	90.7260, -47.5840, -40.7360

Conversions

Conversions Part 2

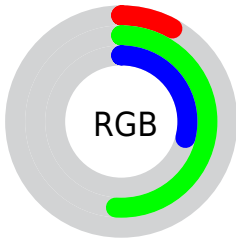
Format	Color
R_{YB}	20, 94, 130
Decimal	1344074
CIE _{Lab}	47.76, -42.75, 22.22
CIE _{LCh}	48, 48.179, 152.533
Yxy	16.6084, 0.2693, 0.4705
Android (android.graphics.Color)	4279534154 (0xFF14824A)
YUV	90.7260, -8.2459, -62.0267
Hunter-Lab	40.7534, -29.6815, 15.1647

Details

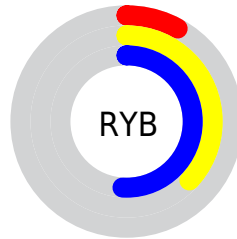
The Yxy color **16.6084, 0.2693, 0.4705** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.7643, 0.4503, 0.2413**, and the grayscale version is **10.4187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6895, 0.2823, 0.4334**, and **5.6807, 0.2795, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **16.4213, 0.2708, 0.4890**, and if you desaturate by 10%, it is **16.8771, 0.2695, 0.4513**.

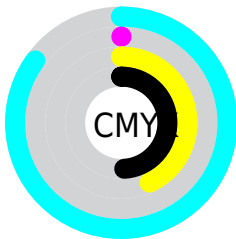
Distribution



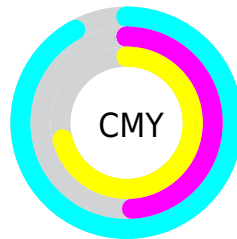
- Red (8%)
- Green (51%)
- Blue (29%)



- Red (8%)
- Yellow (37%)
- Blue (51%)



- Cyan (85%)
- Magenta (0%)
- Yellow (43%)
- Black (49%)





- Cyan (92%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6084, 0.2693, 0.4705 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 16.6084, 0.2693, 0.4705 by changing the saturation by 10% instead.


 16.6084, 0.2693,
0.4705


 16.6084, 0.2693,
0.4705


232.9055, 0.2975,
0.3823


 9.9557, 0.2585,
0.5015


 37.6512, 0.2818,
0.4327


 5.3696, 0.2413,
0.5489

 52.8102, 0.2858,
0.4205

 2.4657, 0.2128,
0.6357


 71.5733, 0.2888,
0.4108

 0.8594, 0.0000,
1.0000

 94.3250, 0.2913,
0.4029

 0.0000, 0.0000,
0.0000

 121.4496, 0.2933,
0.3964

 153.3317, 0.2949,

0.3910

190.3555, 0.2963,
0.3863

■ 16.6084, 0.2693,
0.4705

■ 16.6084, 0.2693,
0.4705

■ 16.4213, 0.2708,
0.4890

■ 16.8771, 0.2695,
0.4513

■ 16.3354, 0.2719,
0.4987

■ 17.2376, 0.2716,
0.4320

■ 17.6995, 0.2753,
0.4131

■ 18.2704, 0.2804,
0.3950

■ 18.9574, 0.2866,
0.3779

■ 19.7668, 0.2936,
0.3621

■ 20.7045, 0.3012,
0.3476

■ 21.7760, 0.3090,
0.3346

■ 22.9866, 0.3169,
0.3230

Harmonies

Analogous

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



16.6084, 0.3568, 0.5053



16.6084, 0.2693, 0.4705



16.6084, 0.1985, 0.3722

Triad

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



16.6084, 0.2693, 0.4705



16.6084, 0.1867, 0.1920



16.6084, 0.4916, 0.3421

Complementary

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



16.6084, 0.2693, 0.4705



5.7643, 0.4503, 0.2413

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.



16.6084, 0.4321, 0.2802



16.6084, 0.2693, 0.4705



16.6084, 0.2470, 0.1983

Square

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



16.6084, 0.2693, 0.4705



16.6084, 0.1586, 0.2148



16.6084, 0.3365, 0.2295



16.6084, 0.4901, 0.4084

Rectangle

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



16.6084, 0.2693, 0.4705



16.6084, 0.1698, 0.3036



16.6084, 0.3365, 0.2295



16.6084, 0.4781, 0.3207

Sweetspot

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



16.6091, 0.2693, 0.4705



34.6723, 0.2930, 0.3634



17.5862, 0.3463, 0.5461



7.7498, 0.2909, 0.3679



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.6091, 0.2693, 0.4705



28.7360, 0.2729, 0.5025



17.6775, 0.2293, 0.3329



4.8512, 0.3055, 0.3402



15.6632, 0.2718, 0.4984



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.7643, 0.4503, 0.2413



9.0233, 0.4908, 0.2478



5.3007, 0.5938, 0.3280



4.3779, 0.3206, 0.3181



4.9305, 0.4859, 0.2450



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6084, 0.2693, 0.4705 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 16.6084, 0.2693, 0.4705 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 16.6084, 0.2693, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 16.6084, 0.2693, 0.4705.



This preview shows how white text looks on a background with the Yxy color 16.6084, 0.2693, 0.4705.

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

16.6084, 0.2693, 0.4705

Protanopia

16.4265, 0.3849, 0.4191

Deuteranopia

16.3580, 0.3894, 0.3836



Tritanopia

16.5632, 0.2350, 0.3069

Trichromacy



Original Color

16.6084, 0.2693, 0.4705

Protanomaly

15.6143, 0.3264, 0.4417

Deuteranomaly

15.3538, 0.3288, 0.4172

Tritanomaly

16.5427, 0.2462, 0.3617

Monochromacy



Original Color

16.6084, 0.2693, 0.4705

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.8828, 0.2846, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6084, 0.2693, 0.4705 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(20, 130, 74)` looks like.

```
.text, #text, p{  
    color:rgb(20, 130, 74)  
}
```

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(20, 130, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 130, 74) }
```

Border

The CSS property to change the border of an element to Yxy 16.6084, 0.2693, 0.4705 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(20, 130, 74) }
```

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

```
.border{ border-color:rgb(20, 130, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 130, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 130, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 130, 74);  
box-shadow:4px 4px 4px 4px rgb(20, 130,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6084, 0.2693, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 130, 74) }
```

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

```
.background{ background-color: rgb(20, 130,  
74) }
```

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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