

Converting Colors

$Y_{xy}(14.1121, 0.2495, 0.3740)$

Have a look what the booklet for
Yxy(14.1121, 0.2495, 0.3740)
contains.

Yxy(14.0177, 0.2492, 0.3721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.0177, 0.2492, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	247564
RGB	36, 117, 100
RGB Percent	14%, 46%, 39%
CMY	0.8590, 0.5412, 0.6079
CMYK	0.69, 0.00, 0.15, 0.54
HSL	167°, 53%, 30%
HSV	167°, 69%, 46%
XYZ	9.3878, 14.0177, 14.2663
YIQ	90.8430, -42.8190, -22.4590

Conversions

Conversions Part 2

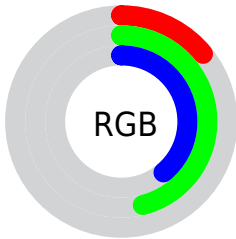
Format	Color
R_{YB}	36, 81, 117
Decimal	2389348
CIE _{Lab}	44.26, -28.61, 2.31
CIE _{LCh}	44, 28.703, 175.379
Yxy	14.0177, 0.2492, 0.3721
Android (android.graphics.Color)	4280579428 (0xFF247564)
YUV	90.8430, 4.5144, -48.0973
Hunter-Lab	37.4402, -20.7630, 3.6161

Details

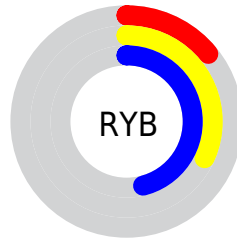
The Yxy color **14.0177, 0.2492, 0.3721** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.2985, 0.4825, 0.2970**, and the grayscale version is **10.4190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2591, 0.2648, 0.3613**, and **4.3913, 0.2425, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **13.7944, 0.2456, 0.3794**, and if you desaturate by 10%, it is **14.3123, 0.2546, 0.3649**.

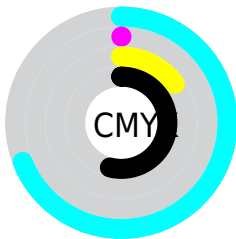
Distribution



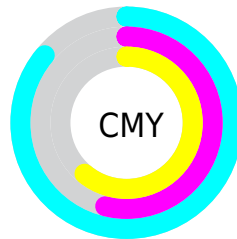
- Red (14%)
- Green (46%)
- Blue (39%)



- Red (14%)
- Yellow (32%)
- Blue (46%)



- Cyan (69%)
- Magenta (0%)
- Yellow (15%)
- Black (54%)



- Cyan (86%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0177, 0.2492, 0.3721 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 14.0177, 0.2492, 0.3721 by changing the saturation by 10% instead.


 14.0177, 0.2492,
0.3721


 14.0177, 0.2492,
0.3721

217.3409, 0.2872,
0.3460


 8.1330, 0.2367,
0.3809


 33.1204, 0.2650,
0.3612


 4.1802, 0.2182,
0.3941

 47.1072, 0.2702,
0.3575

 1.7748, 0.1881,
0.4163

 64.5635, 0.2745,
0.3547

 0.4714, 0.0000,
0.5728

 85.8737, 0.2779,
0.3523

 0.0000, 0.0000,
0.0000

 111.4221, 0.2808,
0.3503

 141.5932, 0.2833,

0.3487

176.7713, 0.2854,
0.3473

■ 14.0177, 0.2492,
0.3721

■ 14.0177, 0.2492,
0.3721

■ 13.7944, 0.2456,
0.3794

■ 14.3123, 0.2546,
0.3649

■ 13.6339, 0.2437,
0.3868

■ 14.6828, 0.2616,
0.3579

■ 13.5131, 0.2430,
0.3941

■ 15.1350, 0.2701,
0.3512

■ 13.5044, 0.2430,
0.3947

■ 15.6740, 0.2798,
0.3449

■ 16.3041, 0.2904,
0.3390

■ 17.0297, 0.3018,
0.3336

■ 17.8547, 0.3136,
0.3287

■ 18.7828, 0.3257,
0.3242

■ 19.8175, 0.3378,
0.3202

Harmonies

Analogous

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



14.0177, 0.3017, 0.4226



14.0177, 0.2492, 0.3721



14.0177, 0.2155, 0.3109

Triad

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



14.0177, 0.2492, 0.3721



14.0177, 0.2590, 0.2372



14.0177, 0.4317, 0.3783

Complementary

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



14.0177, 0.2492, 0.3721



5.2985, 0.4825, 0.2970

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.



14.0177, 0.4200, 0.3322



14.0177, 0.2492, 0.3721



14.0177, 0.3148, 0.2551

Square

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



14.0177, 0.2492, 0.3721



14.0177, 0.2211, 0.2390



14.0177, 0.3755, 0.2887



14.0177, 0.4083, 0.4183

Rectangle

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



14.0177, 0.2492, 0.3721



14.0177, 0.2065, 0.2769



14.0177, 0.3755, 0.2887



14.0177, 0.4319, 0.3631

Sweetspot

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



14.0182, 0.2492, 0.3721



28.9213, 0.2879, 0.3403



13.6221, 0.3186, 0.5308



6.5932, 0.2856, 0.3416



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.



14.0182, 0.2492, 0.3721



24.5176, 0.2443, 0.3837



9.6719, 0.2213, 0.2694



4.1427, 0.3020, 0.3335



14.8752, 0.2431, 0.3950



72.3611, 0.2442, 0.3990

Inverse Universe

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



5.2985, 0.4825, 0.2970



7.7655, 0.5442, 0.2988



7.0296, 0.4906, 0.3743



3.7123, 0.3246, 0.3246



4.2400, 0.5969, 0.3062



20.5575, 0.6088, 0.3127

Previews

White Background



This preview shows how the Yxy color 14.0177, 0.2492, 0.3721 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 14.0177, 0.2492, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

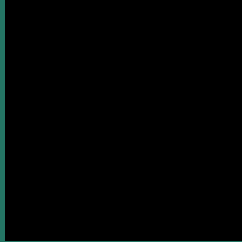
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0177, 0.2492, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 14.0177, 0.2492, 0.3721.



This preview shows how white text looks on a background with the Yxy color 14.0177, 0.2492, 0.3721.

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

14.0177, 0.2492, 0.3721

Protanopia

13.9422, 0.3348, 0.3527

Deuteranopia

13.8842, 0.3276, 0.3228



Tritanopia

14.0690, 0.2354, 0.3077

Trichromacy



Original Color

14.0177, 0.2492, 0.3721

Protanomaly

13.5756, 0.2931, 0.3597

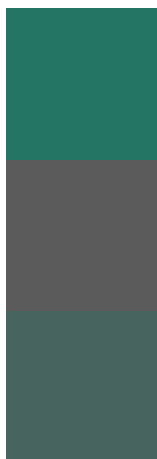
Deuteranomaly

13.4731, 0.2897, 0.3382

Tritanomaly

14.0129, 0.2398, 0.3288

Monochromacy



Original Color

14.0177, 0.2492, 0.3721

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.2621, 0.2805, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0177, 0.2492, 0.3721 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(36, 117, 100)` looks like.

```
.text, #text, p{  
  color:rgb(36, 117, 100)  
}
```

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(36, 117, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 117, 100) }
```

Border

The CSS property to change the border of an element to Yxy 14.0177, 0.2492, 0.3721 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(36, 117, 100) }
```

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

```
.border{ border-color:rgb(36, 117, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 117, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 117, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 117, 100);  
box-shadow:4px 4px 4px 4px rgb(36, 117,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0177, 0.2492, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 117, 100) }
```

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

```
.background{ background-color: rgb(36, 117,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor