

Converting Colors

$Y_{xy}(14.0958, 0.2521, 0.3732)$

Have a look what the booklet for
Yxy(14.0958, 0.2521, 0.3732)
contains.

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Color

Yxy(14.0938, 0.2516, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	287564
RGB	40, 117, 100
RGB Percent	16%, 46%, 39%
CMY	0.8431, 0.5412, 0.6078
CMYK	0.66, 0.00, 0.15, 0.54
HSL	167°, 49%, 31%
HSV	167°, 66%, 46%
XYZ	9.5374, 14.0938, 14.2758
YIQ	92.0390, -40.4350, -21.6110

Conversions

Conversions Part 2

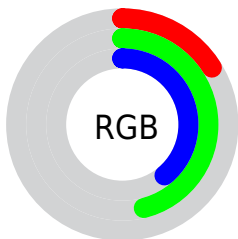
Format	Color
RYB	40, 83, 117
Decimal	2651492
CIELab	44.37, -27.86, 2.48
CIElCh	44, 27.968, 174.918
Yxy	14.0938, 0.2516, 0.3718
Android (android.graphics.Color)	4280841572 (0xFF287564)
YUV	92.0390, 3.9248, -45.6382
Hunter-Lab	37.5417, -20.3505, 3.7334

Details

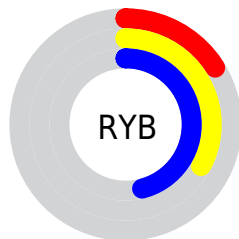
The Yxy color **14.0938, 0.2516, 0.3718** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.5965, 0.4670, 0.2958**, and the grayscale version is **10.7113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4167, 0.2667, 0.3612**, and **4.3913, 0.2425, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **13.8450, 0.2474, 0.3795**, and if you desaturate by 10%, it is **14.4163, 0.2575, 0.3643**.

Distribution



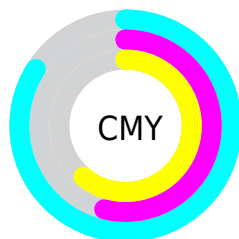
- Red (16%)
- Green (46%)
- Blue (39%)



- Red (16%)
- Yellow (33%)
- Blue (46%)



- Cyan (66%)
- Magenta (0%)
- Yellow (15%)
- Black (54%)





- Cyan (84%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0938, 0.2516, 0.3718 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 14.0938, 0.2516, 0.3718 by changing the saturation by 10% instead.


 14.0938, 0.2516,
0.3718


 14.0938, 0.2516,
0.3718


 217.8136, 0.2882,
0.3459

 8.1859, 0.2396,
0.3805


 33.2554, 0.2668,
0.3609


 4.2142, 0.2217,
0.3937

 47.2779, 0.2719,
0.3573

 1.7941, 0.1928,
0.4158

 64.7740, 0.2759,
0.3545

 0.4835, 0.0000,
0.5778

 86.1282, 0.2793,
0.3521

 0.0000, 0.0000,
0.0000

 111.7249, 0.2820,
0.3502

 141.9484, 0.2844,

0.3485

177.1832, 0.2864,
0.3471

■ 14.0938, 0.2516,
0.3718

■ 14.0938, 0.2516,
0.3718

■ 13.8450, 0.2474,
0.3795

■ 14.4163, 0.2575,
0.3643

■ 13.6616, 0.2450,
0.3873

■ 14.8167, 0.2650,
0.3570

■ 13.5316, 0.2442,
0.3950

■ 15.3008, 0.2738,
0.3501

■ 13.4809, 0.2440,
0.3984

■ 15.8734, 0.2837,
0.3436

■ 16.5388, 0.2945,
0.3375

■ 17.3012, 0.3059,
0.3320

■ 18.1645, 0.3177,
0.3269

■ 19.1323, 0.3297,
0.3224

■ 20.2080, 0.3417,
0.3184

Harmonies

Analogous

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



14.0938, 0.3031, 0.4203



14.0938, 0.2516, 0.3718



14.0938, 0.2183, 0.3124

Triad

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



14.0938, 0.2516, 0.3718



14.0938, 0.2597, 0.2392



14.0938, 0.4286, 0.3767

Complementary

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



14.0938, 0.2516, 0.3718



5.5965, 0.4670, 0.2958

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.



14.0938, 0.4166, 0.3316



14.0938, 0.2516, 0.3718



14.0938, 0.3139, 0.2565

Square

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



14.0938, 0.2516, 0.3718



14.0938, 0.2230, 0.2415



14.0938, 0.3729, 0.2892



14.0938, 0.4065, 0.4157

Rectangle

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



14.0938, 0.2516, 0.3718



14.0938, 0.2092, 0.2791



14.0938, 0.3729, 0.2892



14.0938, 0.4286, 0.3618

Sweetspot

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



14.0944, 0.2516, 0.3718



29.0323, 0.2893, 0.3403



13.7750, 0.3205, 0.5201



6.6155, 0.2870, 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.



14.0944, 0.2516, 0.3718



24.6062, 0.2460, 0.3836



10.1881, 0.2255, 0.2764



4.1421, 0.3022, 0.3337



14.8506, 0.2441, 0.3987



72.2372, 0.2452, 0.4029

Inverse Universe

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



5.5965, 0.4670, 0.2958



8.1262, 0.5254, 0.2956



7.2248, 0.4802, 0.3705



3.7129, 0.3244, 0.3243



4.2461, 0.5937, 0.3044



20.5830, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 14.0938, 0.2516, 0.3718 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 14.0938, 0.2516, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

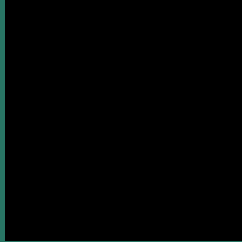
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0938, 0.2516, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 14.0938, 0.2516, 0.3718.



This preview shows how white text looks on a background with the Yxy color 14.0938, 0.2516, 0.3718.

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

14.0938, 0.2516, 0.3718

Protanopia

13.9422, 0.3348, 0.3527

Deuteranopia

13.9315, 0.3305, 0.3249



Tritanopia

14.1428, 0.2374, 0.3078

Trichromacy



Original Color

14.0938, 0.2516, 0.3718

Protanomaly

13.6666, 0.2956, 0.3595

Deuteranomaly

13.5494, 0.2935, 0.3404

Tritanomaly

14.0801, 0.2417, 0.3288

Monochromacy



Original Color

14.0938, 0.2516, 0.3718

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.5501, 0.2820, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0938, 0.2516, 0.3718 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(40, 117, 100)` looks like.

```
.text, #text, p{  
  color:rgb(40, 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(40, 117, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 117, 100) }
```

Border

The CSS property to change the border of an element to Yxy 14.0938, 0.2516, 0.3718 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(40, 117, 100) }
```

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

```
.border{ border-color:rgb(40, 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(40, 117, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 117, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 117, 100);  
box-shadow:4px 4px 4px 4px rgb(40, 117,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0938, 0.2516, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 117, 100) }
```

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

```
.background{ background-color: rgb(40, 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](#).

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