

Converting Colors

$Y_{xy}(14.9339, 0.2906, 0.4085)$

Have a look what the booklet for
Yxy(14.9339, 0.2906, 0.4085)
contains.

Yxy(14.8780, 0.2908, 0.4092)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.8780, 0.2908, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	457655
RGB	69, 118, 85
RGB Percent	27%, 46%, 33%
CMY	0.7293, 0.5373, 0.6667
CMYK	0.42, 0.00, 0.28, 0.54
HSL	140°, 26%, 37%
HSV	140°, 42%, 46%
XYZ	10.5731, 14.8780, 10.9076
YIQ	99.5870, -18.6110, -20.6510

Conversions

Conversions Part 2

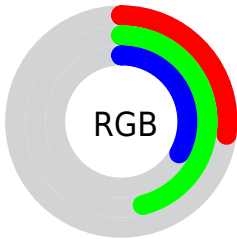
Format	Color
R _Y B	69, 106, 118
Decimal	4552277
CIE Lab	45.47, -24.47, 13.09
CIE LCh	45, 27.755, 151.859
Yxy	14.8780, 0.2908, 0.4092
Android (android.graphics.Color)	4282742357 (0xFF457655)
YUV	99.5870, -7.1914, -26.8248
Hunter-Lab	38.5720, -18.5717, 10.2340

Details

The Yxy color **14.8780, 0.2908, 0.4092** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.0698, 0.3452, 0.2609**, and the grayscale version is **12.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8682, 0.2971, 0.3883**, and **4.5479, 0.2761, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **14.3697, 0.2868, 0.4329**, and if you desaturate by 10%, it is **15.4876, 0.2955, 0.3869**.

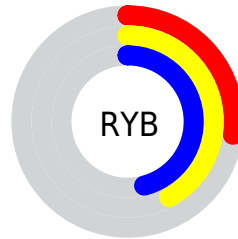
Distribution



Red (27%)

Green (46%)

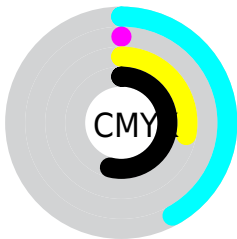
Blue (33%)



Red (27%)

Yellow (42%)

Blue (46%)

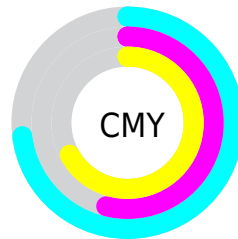


Cyan (42%)

Magenta (0%)

Yellow (28%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8780, 0.2908, 0.4092 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 14.8780, 0.2908, 0.4092 by changing the saturation by 10% instead.


 14.8780, 0.2908,
0.4092


 14.8780, 0.2908,
0.4092


222.6266, 0.3048,
0.3596


 8.7338, 0.2856,
0.4266


 34.6390, 0.2969,
0.3880


 4.5680, 0.2772,
0.4536

 49.0246, 0.2989,
0.3811


 1.9961, 0.2618,
0.5003

 66.9262, 0.3004,
0.3757

 0.6052, 0.0000,
1.0000

 88.7280, 0.3016,
0.3712

 0.0000, 0.0000,
0.0000

 114.8146, 0.3026,
0.3676

145.5703, 0.3035,

0.3645

181.3795, 0.3042,
0.3619

■ 14.8780, 0.2908,
0.4092

■ 14.8780, 0.2908,
0.4092

■ 14.3697, 0.2868,
0.4329

■ 15.4876, 0.2955,
0.3869

■ 13.9552, 0.2839,
0.4576

■ 16.2018, 0.3008,
0.3665

■ 13.6290, 0.2822,
0.4825


■ 17.0260, 0.3063,
0.3479


■ 13.3843, 0.2821,
0.5066

■ 17.9646, 0.3119,
0.3313

■ 13.2129, 0.2835,
0.5290


■ 19.0219, 0.3174,
0.3166

 13.1001, 0.2851,
0.5463

 20.2018, 0.3228,
0.3037

 21.5083, 0.3280,
0.2923

 22.9450, 0.3330,
0.2823

 24.5153, 0.3376,
0.2736

Harmonies

Analogous

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



14.8780, 0.3464, 0.4323



14.8780, 0.2908, 0.4092



14.8780, 0.2437, 0.3573

Triad

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



14.8780, 0.2908, 0.4092



14.8780, 0.2315, 0.2411



14.8780, 0.4197, 0.3420

Complementary

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



14.8780, 0.2908, 0.4092



9.0698, 0.3452, 0.2609

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.



14.8780, 0.3833, 0.2992



14.8780, 0.2908, 0.4092



14.8780, 0.2720, 0.2435

Square

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



14.8780, 0.2908, 0.4092



14.8780, 0.2122, 0.2599



14.8780, 0.3275, 0.2643



14.8780, 0.4235, 0.3855

Rectangle

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



14.8780, 0.2908, 0.4092



14.8780, 0.2228, 0.3186



14.8780, 0.3275, 0.2643



14.8780, 0.4109, 0.3272

Sweetspot

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



14.8786, 0.2908, 0.4092



29.8156, 0.3058, 0.3493



16.2403, 0.3499, 0.4342



6.8222, 0.3053, 0.3510



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.



14.8786, 0.2908, 0.4092



25.2880, 0.2869, 0.4323



15.3274, 0.2668, 0.3496



4.1161, 0.3077, 0.3436



14.1702, 0.2853, 0.5470



68.9109, 0.2879, 0.5563

Inverse Universe

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



9.0698, 0.3452, 0.2609



13.5701, 0.3558, 0.2456



8.6601, 0.3929, 0.3100



3.7386, 0.3181, 0.3148



4.7833, 0.4202, 0.2089



23.1471, 0.4270, 0.2126

Previews

White Background



This preview shows how the Yxy color 14.8780, 0.2908, 0.4092 looks on a white background.

Color Contrast Check

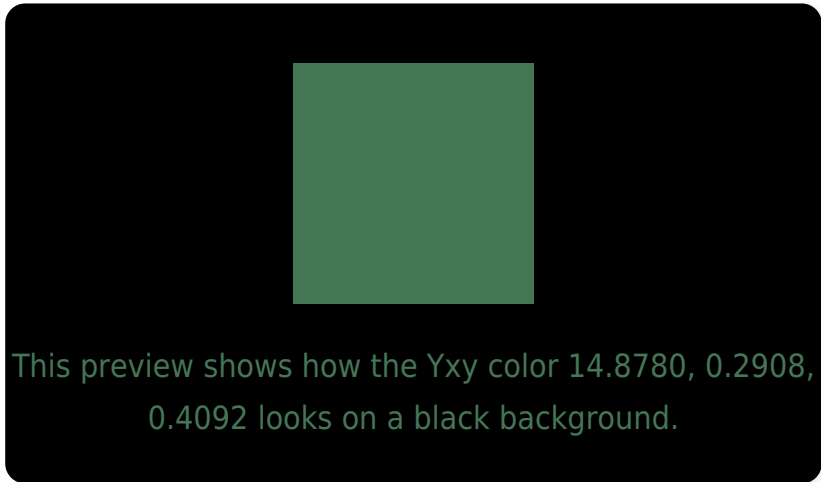
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 14.8780, 0.2908, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 14.8780, 0.2908, 0.4092.



This preview shows how white text looks on a background with the Yxy color 14.8780, 0.2908, 0.4092.

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

14.8780, 0.2908, 0.4092

Protanopia

14.7394, 0.3604, 0.3856

Deuteranopia

14.6902, 0.3649, 0.3592



Tritanopia

14.7932, 0.2606, 0.3090

Trichromacy



Original Color

14.8780, 0.2908, 0.4092

Protanomaly

14.5747, 0.3312, 0.3942

Deuteranomaly

14.3563, 0.3343, 0.3752

Tritanomaly

14.8214, 0.2709, 0.3427

Monochromacy



Original Color

14.8780, 0.2908, 0.4092

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.4655, 0.3033, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8780, 0.2908, 0.4092 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(69, 118, 85)` looks like.

```
.text, #text, p{  
    color:rgb(69, 118, 85)  
}
```

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(69, 118, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 118, 85) }
```

Border

The CSS property to change the border of an element to Yxy 14.8780, 0.2908, 0.4092 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(69, 118, 85) }
```

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

```
.border{ border-color:rgb(69, 118, 85) }
```

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

Here you see how a box with a 4 pixel rgb(69, 118, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 118, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 118, 85);  
box-shadow:4px 4px 4px 4px rgb(69, 118,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8780, 0.2908, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 118, 85) }
```

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

```
.background{ background-color: rgb(69, 118,  
85) }
```

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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