

Converting Colors

$Y_{xy}(14.3351, 0.3959, 0.5093)$

Have a look what the booklet for
Yxy(14.3351, 0.3959, 0.5093)
contains.

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Color

Yxy(14.3351, 0.3959, 0.5093)

Conversions

Conversions Part 1

Format	Color
Hex	647010
RGB	100, 112, 16
RGB Percent	39%, 44%, 6%
CMY	0.6078, 0.5608, 0.9374
CMYK	0.11, 0.00, 0.86, 0.56
HSL	67°, 75%, 25%
HSV	67°, 86%, 44%
XYZ	11.1433, 14.3351, 2.6683
YIQ	97.4680, 23.6640, -32.4000

Conversions

Conversions Part 2

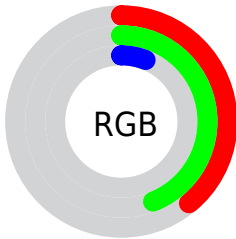
Format	Color
R_{YB}	16, 112, 28
Decimal	6582288
CIE Lab	44.71, -16.96, 46.58
CIE LCh	45, 49.572, 110.012
Yxy	14.3351, 0.3959, 0.5093
Android (android.graphics.Color)	4284772368 (0xFF647010)
YUV	97.4680, -40.1637, 2.2206
Hunter-Lab	37.8617, -13.7228, 22.3247

Details

The Yxy color **14.3351, 0.3959, 0.5093** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7859, 0.1720, 0.0856**, and the grayscale version is **12.1717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8631, 0.3825, 0.4675**, and **4.3449, 0.3856, 0.5320** is the 20% darker color. If you saturate the color by 10%, you get **14.2298, 0.3978, 0.5182**, and if you desaturate by 10%, it is **14.4588, 0.3919, 0.4968**.

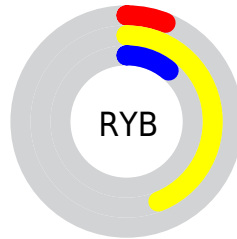
Distribution



Red (39%)

Green (44%)

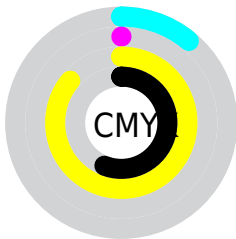
Blue (6%)



Red (6%)

Yellow (44%)

Blue (11%)

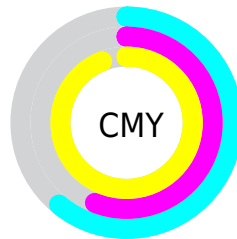


Cyan (11%)

Magenta (0%)

Yellow (86%)

Black (56%)



Cyan (61%)


Magenta (56%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3351, 0.3959, 0.5093 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 14.3351, 0.3959, 0.5093 by changing the saturation by 10% instead.


 14.3351, 0.3959,
0.5093


 14.3351, 0.3959,
0.5093


219.3057, 0.3540,
0.4032


 8.3541, 0.4017,
0.5385


 33.6824, 0.3825,
0.4676


 4.3224, 0.4120,
0.5880

 47.8176, 0.3767,
0.4527


 1.8555, 0.3865,
0.6135

 65.4395, 0.3715,
0.4405

 0.5214, 0.1351,
0.8649

 86.9327, 0.3670,
0.4305

 0.0000, 0.0000,
0.0000

 112.6815, 0.3631,
0.4220

 143.0704, 0.3597,

0.4148

178.4836, 0.3567,
0.4086

14.3351, 0.3959,
0.5093

14.3351, 0.3959,
0.5093

14.2298, 0.3978,
0.5182

14.4588, 0.3919,
0.4968

14.1861, 0.3985,
0.5218

14.6031, 0.3857,
0.4805

14.7706, 0.3774,
0.4609

14.9631, 0.3674,
0.4388

15.1822, 0.3561,
0.4151

■ 15.4293, 0.3442,
0.3906

■ 15.7059, 0.3319,
0.3661

■ 16.0130, 0.3196,
0.3422

■ 16.3520, 0.3077,
0.3195

Harmonies

Analogous

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



14.3351, 0.4733, 0.4519



14.3351, 0.3959, 0.5093



14.3351, 0.3029, 0.5101

Triad

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



14.3351, 0.3959, 0.5093



14.3351, 0.1463, 0.2273



14.3351, 0.4002, 0.2520

Complementary

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



14.3351, 0.3959, 0.5093



1.7859, 0.1720, 0.0856

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.



14.3351, 0.2947, 0.2065



14.3351, 0.3959, 0.5093



14.3351, 0.1624, 0.1889

Square

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



14.3351, 0.3959, 0.5093



14.3351, 0.1631, 0.3090



14.3351, 0.2112, 0.1841



14.3351, 0.4864, 0.3131

Rectangle

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



14.3351, 0.3959, 0.5093



14.3351, 0.2434, 0.4611



14.3351, 0.2112, 0.1841



14.3351, 0.3646, 0.2346

Sweetspot

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



14.3358, 0.3959, 0.5093



27.0614, 0.3453, 0.3929



4.2739, 0.5792, 0.3452



6.4730, 0.3485, 0.3994



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



14.3358, 0.3959, 0.5093



24.8844, 0.3979, 0.5223



12.3772, 0.3306, 0.5572



3.8961, 0.3236, 0.3499



16.3926, 0.3983, 0.5219



81.4024, 0.3971, 0.5229

Inverse Universe

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



1.7859, 0.1720, 0.0856



2.1853, 0.1556, 0.0631



3.0429, 0.2443, 0.1234



3.3186, 0.3013, 0.3074



1.4538, 0.1566, 0.0636



7.0269, 0.1538, 0.0621

Previews

White Background



This preview shows how the Yxy color 14.3351, 0.3959, 0.5093 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 14.3351, 0.3959, 0.5093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

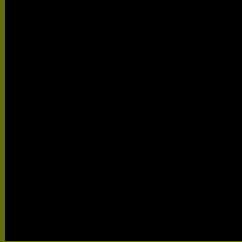
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3351, 0.3959, 0.5093

Background



This preview shows how black text looks on a background with the Yxy color 14.3351, 0.3959, 0.5093.



This preview shows how white text looks on a background with the Yxy color 14.3351, 0.3959, 0.5093.

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

14.3351, 0.3959, 0.5093

Protanopia

14.2617, 0.4339, 0.4819

Deuteranopia

14.1668, 0.4584, 0.4511



Tritanopia

14.2586, 0.3079, 0.3123

Trichromacy



Original Color

14.3351, 0.3959, 0.5093

Protanomaly

14.2044, 0.4199, 0.4917

Deuteranomaly

14.0197, 0.4364, 0.4717

Tritanomaly

14.0545, 0.3494, 0.3953

Monochromacy



Original Color

14.3351, 0.3959, 0.5093

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.5168, 0.3533, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3351, 0.3959, 0.5093 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(100, 112, 16)` looks like.

```
.text, #text, p{  
    color:rgb(100, 112, 16)  
}
```

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(100, 112, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 112, 16) }
```

Border

The CSS property to change the border of an element to Yxy 14.3351, 0.3959, 0.5093 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(100, 112, 16) }
```

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

```
.border{ border-color:rgb(100, 112, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 112, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 112, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 112, 16);  
box-shadow:4px 4px 4px 4px rgb(100, 112,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3351, 0.3959, 0.5093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 112, 16) }
```

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

```
.background{ background-color: rgb(100,  
112, 16) }
```

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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