

Converting Colors

$Y_{xy}(14.9195, 0.3097, 0.4090)$

Have a look what the booklet for
Yxy(14.9195, 0.3097, 0.4090)
contains.

Yxy(14.9390, 0.3102, 0.4088)	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(14.9390, 0.3102, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	537452
RGB	83, 116, 82
RGB Percent	33%, 45%, 32%
CMY	0.6745, 0.5451, 0.6784
CMYK	0.28, 0.00, 0.29, 0.55
HSL	118°, 17%, 39%
HSV	118°, 29%, 45%
XYZ	11.3358, 14.9390, 10.2687
YIQ	102.2570, -8.7540, -17.5700

Conversions

Conversions Part 2

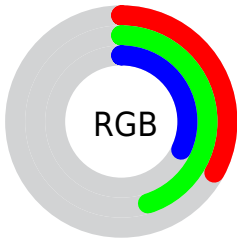
Format	Color
R_{YB}	82, 116, 115
Decimal	5469266
CIE _{Lab}	45.55, -19.19, 15.09
CIE _{LCh}	46, 24.407, 141.825
Yxy	14.9390, 0.3102, 0.4088
Android (android.graphics.Color)	4283659346 (0xFF537452)
YUV	102.2570, -9.9867, -16.8884
Hunter-Lab	38.6510, -15.2877, 11.3036

Details

The Yxy color **14.9390, 0.3102, 0.4088** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.9407, 0.3144, 0.2598**, and the grayscale version is **13.3866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6578, 0.3109, 0.3870**, and **4.6429, 0.3051, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **14.3065, 0.3090, 0.4413**, and if you desaturate by 10%, it is **15.6858, 0.3112, 0.3787**.

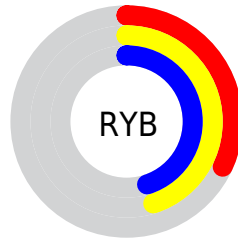
Distribution



Red (33%)

Green (45%)

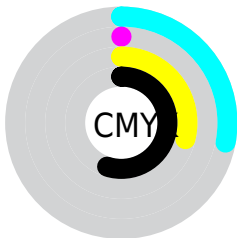
Blue (32%)



Red (32%)

Yellow (45%)

Blue (45%)

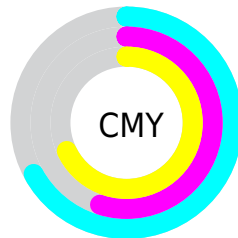


Cyan (28%)

Magenta (0%)

Yellow (29%)

Black (55%)



Cyan (67%)


Magenta (55%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9390, 0.3102, 0.4088 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 14.9390, 0.3102, 0.4088 by changing the saturation by 10% instead.


 14.9390, 0.3102,
0.4088


 14.9390, 0.3102,
0.4088


222.9967, 0.3126,
0.3597

 8.7766, 0.3087,
0.4259

 34.7461, 0.3116,
0.3879


 4.5957, 0.3058,
0.4520

 49.1596, 0.3119,
0.3811


 2.0121, 0.2997,
0.4976

 67.0923, 0.3121,
0.3757

 0.6145, 0.1584,
0.8416

 88.9285, 0.3123,
0.3713

 0.0000, 0.0000,
0.0000

 115.0527, 0.3124,
0.3676

145.8491, 0.3125,

0.3646

181.7024, 0.3126,
0.3620

■ 14.9390, 0.3102,
0.4088

■ 14.9390, 0.3102,
0.4088

■ 14.3065, 0.3090,
0.4413

■ 15.6858, 0.3112,
0.3787

■ 13.7808, 0.3076,
0.4751

■ 16.5502, 0.3121,
0.3515

■ 13.3568, 0.3062,
0.5086

■ 17.5376, 0.3128,
0.3274

■ 13.0277, 0.3046,
0.5395

■ 18.6525, 0.3133,
0.3064

■ 12.7863, 0.3032,
0.5655

■ 19.8993, 0.3138,
0.2880

■ 12.6242, 0.3018,
0.5845

■ 21.2820, 0.3141,
0.2722

■ 12.5201, 0.3011,
0.5982

■ 22.8047, 0.3144,
0.2585

■ 12.5133, 0.3011,
0.5991

■ 24.4711, 0.3146,
0.2466

■ 26.2848, 0.3148,
0.2364

Harmonies

Analogous

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



14.9390, 0.3589, 0.4191



14.9390, 0.3102, 0.4088



14.9390, 0.2644, 0.3705

Triad

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



14.9390, 0.3102, 0.4088



14.9390, 0.2326, 0.2546



14.9390, 0.3987, 0.3281

Complementary

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



14.9390, 0.3102, 0.4088



10.9407, 0.3144, 0.2598

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.



14.9390, 0.3595, 0.2912



14.9390, 0.3102, 0.4088



14.9390, 0.2630, 0.2502

Square

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



14.9390, 0.3102, 0.4088



14.9390, 0.2221, 0.2785



14.9390, 0.3089, 0.2636



14.9390, 0.4124, 0.3676

Rectangle

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



14.9390, 0.3102, 0.4088



14.9390, 0.2414, 0.3371



14.9390, 0.3089, 0.2636



14.9390, 0.3880, 0.3152

Sweetspot

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



14.9396, 0.3102, 0.4088



29.1046, 0.3121, 0.3513



16.5540, 0.3551, 0.3961



6.8974, 0.3120, 0.3544



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.



14.9396, 0.3102, 0.4088



25.5065, 0.3094, 0.4300



15.1646, 0.2915, 0.3707



4.1029, 0.3121, 0.3508



14.0408, 0.3010, 0.5992



68.3566, 0.3004, 0.5997

Inverse Universe

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



10.9407, 0.3144, 0.2598



17.2932, 0.3146, 0.2444



10.6707, 0.3414, 0.2908



3.7527, 0.3133, 0.3080



5.3226, 0.3138, 0.1503



25.8690, 0.3134, 0.1500

Previews

White Background



This preview shows how the Yxy color 14.9390, 0.3102, 0.4088 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 14.9390, 0.3102, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

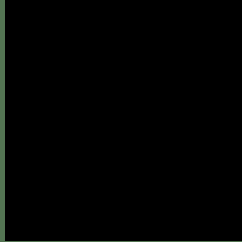
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9390, 0.3102, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 14.9390, 0.3102, 0.4088.



This preview shows how white text looks on a background with the Yxy color 14.9390, 0.3102, 0.4088.

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

14.9390, 0.3102, 0.4088

Protanopia

14.7785, 0.3646, 0.3895

Deuteranopia

14.7920, 0.3723, 0.3649



Tritanopia

14.8986, 0.2761, 0.3095

Trichromacy



Original Color

14.9390, 0.3102, 0.4088

Protanomaly

14.6594, 0.3439, 0.3971

Deuteranomaly

14.6802, 0.3471, 0.3804

Tritanomaly

14.8771, 0.2881, 0.3446

Monochromacy



Original Color

14.9390, 0.3102, 0.4088

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7745, 0.3114, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9390, 0.3102, 0.4088 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(83, 116, 82)` looks like.

```
.text, #text, p{  
    color:rgb(83, 116, 82)  
}
```

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(83, 116, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 116, 82) }
```

Border

The CSS property to change the border of an element to Yxy 14.9390, 0.3102, 0.4088 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(83, 116, 82) }
```

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

```
.border{ border-color:rgb(83, 116, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 116, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 116, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 116, 82);  
box-shadow:4px 4px 4px 4px rgb(83, 116,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9390, 0.3102, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 116, 82) }
```

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

```
.background{ background-color: rgb(83, 116,  
82) }
```

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