

Converting Colors

$Y_{xy}(0.3603, 0.5845, 0.3187)$

Have a look what the booklet for
Yxy(0.3603, 0.5845, 0.3187)
contains.

Yxy(0.3516, 0.5814, 0.3124)	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(0.3516, 0.5814, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	210103
RGB	33, 1, 3
RGB Percent	13%, 0%, 1%
CMY	0.8706, 0.9961, 0.9882
CMYK	0.00, 0.97, 0.91, 0.87
HSL	356°, 94%, 7%
HSV	356°, 97%, 13%
XYZ	0.6544, 0.3516, 0.1195
YIQ	10.7960, 18.4300, 7.4060

Conversions

Conversions Part 2

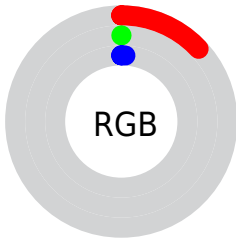
Format	Color
RYB	33, 1, 3
Decimal	2162947
CIELab	3.18, 13.12, 3.77
CIELCh	3, 13.645, 16.022
Yxy	0.3516, 0.5814, 0.3124
Android (android.graphics.Color)	4280353027 (0xFF210103)
YUV	10.7960, -3.8434, 19.4729
Hunter-Lab	5.9296, 9.3214, 2.9556

Details

The Yxy color **0.3516, 0.5814, 0.3124** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **1.1928, 0.2309, 0.3427**, and the grayscale version is **0.3289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **3.8807, 0.3839, 0.3229**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **0.3278, 0.6052, 0.3107**, and if you desaturate by 10%, it is **0.4300, 0.5208, 0.3167**.

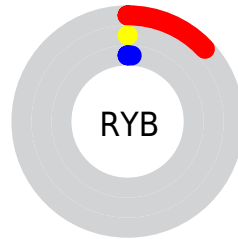
Distribution



Red (13%)

Green (0%)

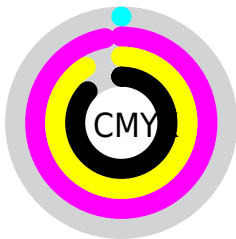
Blue (1%)



Red (13%)

Yellow (0%)

Blue (1%)

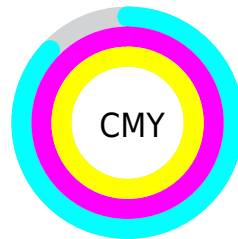


Cyan (0%)

Magenta (97%)

Yellow (91%)

Black (87%)



Cyan (87%)

Magenta (100%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 0.3516, 0.5814, 0.3124 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 0.3516, 0.5814, 0.3124 by changing the saturation by 10% instead.

■ 0.3516, 0.5814,
0.3124

■ 0.3516, 0.5814,
0.3124

■ 83.3695, 0.3376,
0.3271

■ 0.0000, 0.0000,
0.0000

■ 3.8520, 0.3830,
0.3219

■ 7.6188, 0.3685,
0.3238

■ 13.2758, 0.3590,
0.3249


■ 21.2076, 0.3522,
0.3257


■ 31.7985, 0.3472,
0.3262


■ 45.4328, 0.3433,


0.3266


 62.4950, 0.3402,
0.3269

 0.3516, 0.5814,
0.3124


 0.3516, 0.5814,
0.3124


 0.3278, 0.6052,
0.3107

 0.4300, 0.5208,
0.3167

 0.5084, 0.4778,
0.3197

 0.5876, 0.4449,
0.3213

 0.6784, 0.4160,
0.3223

 0.7851, 0.3907,
0.3234

■ 0.9085, 0.3688,
0.3246

■ 1.0494, 0.3501,
0.3259

■ 1.2082, 0.3343,
0.3271

■ 1.3857, 0.3208,
0.3282

Harmonies

Analogous

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



0.3516, 0.4052, 0.2167



0.3516, 0.5814, 0.3124



0.3516, 0.6166, 0.3834

Triad

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



0.3516, 0.5814, 0.3124



0.3516, 0.2118, 0.7882



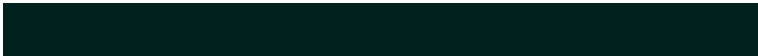
0.3516, 0.1297, 0.1797

Complementary

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



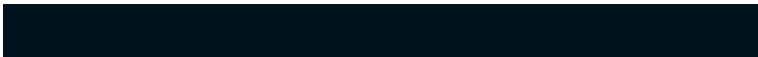
0.3516, 0.5814, 0.3124



1.1928, 0.2309, 0.3427

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.



0.3516, 0.0673, 0.2302



0.3516, 0.5814, 0.3124



0.3516, 0.0212, 0.6828

Square

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



0.3516, 0.5814, 0.3124



0.3516, 0.4079, 0.5921



0.3516, 0.0139, 0.3475



0.3516, 0.2012, 0.1660

Rectangle

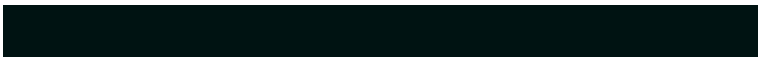
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



0.3516, 0.5814, 0.3124



0.3516, 0.5718, 0.4282



0.3516, 0.0139, 0.3475



0.3516, 0.1083, 0.1916

Sweetspot

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



0.3516, 0.5814, 0.3124



1.5916, 0.3577, 0.3253



0.4207, 0.3086, 0.1534



0.5566, 0.3572, 0.3254



30.6999, 0.3127, 0.3290



0.8540, 0.3127, 0.3290

Same Dimension

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



0.3516, 0.5814, 0.3124



0.5271, 0.6112, 0.3141



0.6633, 0.5074, 0.4200



0.4434, 0.3214, 0.3282



1.6752, 0.6232, 0.3207



13.2294, 0.6343, 0.3268

Inverse Universe

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



0.3516, 0.5814, 0.3124



0.5271, 0.6112, 0.3141



0.5865, 0.1983, 0.2228



0.4434, 0.3214, 0.3282



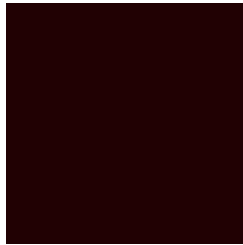
1.6752, 0.6232, 0.3207



13.2294, 0.6343, 0.3268

Previews

White Background



This preview shows how the Yxy color 0.3516, 0.5814, 0.3124 looks on a white background.

Color Contrast Check

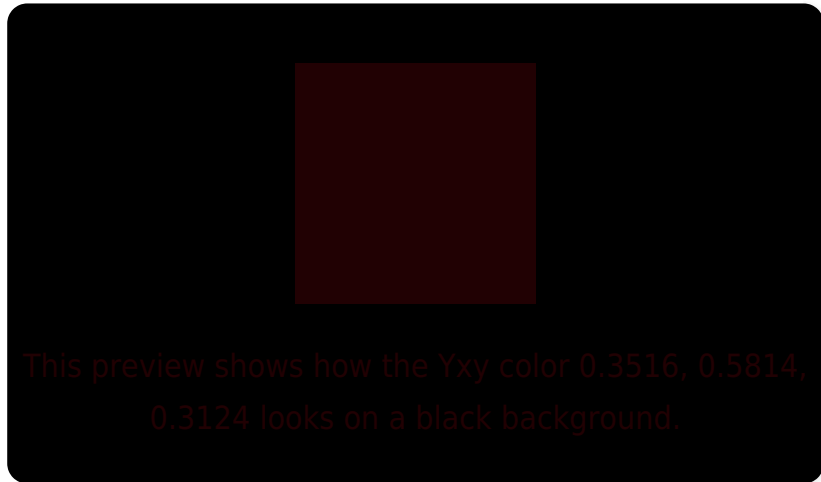
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

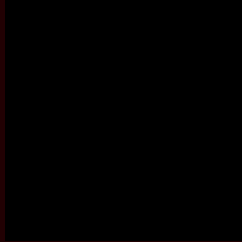
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 0.3516, 0.5814, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 0.3516, 0.5814, 0.3124.



This preview shows how white text looks on a background with the Yxy color 0.3516, 0.5814, 0.3124.

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

0.3516, 0.5814, 0.3124

Protanopia

0.5525, 0.3840, 0.4228

Deuteranopia

0.5300, 0.4493, 0.4815



Tritanopia

0.3885, 0.6062, 0.3569

Trichromacy



Original Color

0.3516, 0.5814, 0.3124

Protanomaly

0.4445, 0.4476, 0.3799

Deuteranomaly

0.4482, 0.4955, 0.4221

Tritanomaly

0.3689, 0.6010, 0.3389

Monochromacy



Original Color

0.3516, 0.5814, 0.3124

Achromatopsia

0.3347, 0.3127, 0.3290

Achromatomaly

0.3079, 0.4025, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 0.3516, 0.5814, 0.3124 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(33, 1, 3)` looks like.

```
.text, #text, p{  
    color:rgb(33, 1, 3)  
}
```

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(33, 1, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 1, 3) }
```

Border

The CSS property to change the border of an element to Yxy 0.3516, 0.5814, 0.3124 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(33, 1, 3) }
```

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

```
.border{ border-color:rgb(33, 1, 3) }
```

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

Here you see how a box with a 4 pixel rgb(33, 1, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 1, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 1, 3); box-shadow:4px  
4px 4px 4px rgb(33, 1, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 0.3516, 0.5814, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 1, 3) }
```

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

```
.background{ background-color: rgb(33, 1,  
3) }
```

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