

Converting Colors

$Y_{xy}(11.9927, 0.3566, 0.4016)$

Have a look what the booklet for
Yxy(11.9927, 0.3566, 0.4016)
contains.

Yxy(11.9937, 0.3566, 0.4016)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.9937, 0.3566, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	636344
RGB	99, 99, 68
RGB Percent	39%, 39%, 27%
CMY	0.6118, 0.6117, 0.7334
CMYK	0.00, 0.00, 0.31, 0.61
HSL	60°, 19%, 33%
HSV	60°, 31%, 39%
XYZ	10.6498, 11.9937, 7.2213
YIQ	95.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

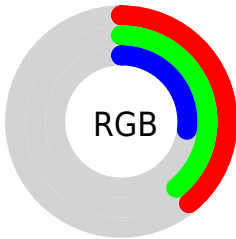
Format	Color
RYB	68, 99, 68
Decimal	6513476
CIELab	41.21, -5.53, 17.68
CIElCh	41, 18.520, 107.372
Yxy	11.9937, 0.3566, 0.4016
Android (android.graphics.Color)	4284703556 (0xFF636344)
YUV	95.4660, -13.5407, 3.0993
Hunter-Lab	34.6319, -5.7147, 11.8794

Details

The Yxy color **11.9937, 0.3566, 0.4016** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.2637, 0.2616, 0.2444**, and the grayscale version is **11.5927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5577, 0.3458, 0.3838**, and **3.3422, 0.3778, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **11.8831, 0.3702, 0.4241**, and if you desaturate by 10%, it is **12.1258, 0.3425, 0.3783**.

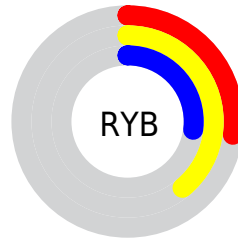
Distribution



Red (39%)

Green (39%)

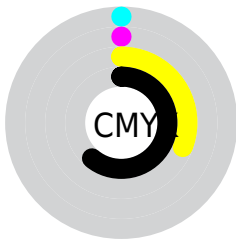
Blue (27%)



Red (27%)

Yellow (39%)

Blue (27%)

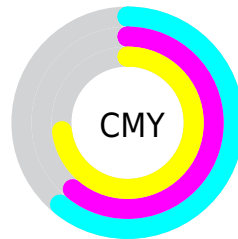


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (61%)



Cyan (61%)

Magenta (61%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9937, 0.3566, 0.4016 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 11.9937, 0.3566, 0.4016 by changing the saturation by 10% instead.

■ 11.9937, 0.3566,
0.4016

■ 11.9937, 0.3566,
0.4016

■ 204.3636, 0.3303,
0.3568

■ 6.7394, 0.3650,
0.4171

■ 29.4836, 0.3458,
0.3826

■ 3.2997, 0.3770,
0.4406

■ 42.4880, 0.3421,
0.3763

■ 1.2901, 0.4302,
0.5232

■ 58.8446, 0.3392,
0.3714

■ 0.1335, 0.0000,
1.0000

■ 78.9377, 0.3368,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 103.1518, 0.3348,
0.3640

131.8712, 0.3331,

0.3612

165.4803, 0.3316,
0.3589

■ 11.9937, 0.3566,
0.4016

■ 11.9937, 0.3566,
0.4016

■ 11.8831, 0.3702,
0.4241

■ 12.1258, 0.3425,
0.3783

■ 11.7914, 0.3829,
0.4451

■ 12.2788, 0.3284,
0.3549

■ 11.7179, 0.3941,
0.4637

■ 12.4540, 0.3145,
0.3320

■ 11.6615, 0.4035,
0.4792

■ 12.6523, 0.3012,
0.3100

■ 11.6207, 0.4107,
0.4911

■ 12.8745, 0.2887,
0.2892

■ 11.5940, 0.4156,
0.4993

■ 13.1215, 0.2770,
0.2698

■ 11.5749, 0.4192,
0.5053

■ 13.3938, 0.2661,
0.2520

■ 13.6922, 0.2562,
0.2355

■ 14.0174, 0.2472,
0.2206

Harmonies

Analogous

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



11.9937, 0.3852, 0.3859



11.9937, 0.3566, 0.4016



11.9937, 0.3173, 0.3960

Triad

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



11.9937, 0.3566, 0.4016



11.9937, 0.2378, 0.2926



11.9937, 0.3453, 0.2938

Complementary

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



11.9937, 0.3566, 0.4016



6.2637, 0.2616, 0.2444

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.



11.9937, 0.3038, 0.2720



11.9937, 0.3566, 0.4016



11.9937, 0.2439, 0.2697

Square

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



11.9937, 0.3566, 0.4016



11.9937, 0.2499, 0.3286



11.9937, 0.2672, 0.2631



11.9937, 0.3791, 0.3241

Rectangle

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



11.9937, 0.3566, 0.4016



11.9937, 0.2907, 0.3794



11.9937, 0.2672, 0.2631



11.9937, 0.3316, 0.2854

Sweetspot

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



11.9942, 0.3566, 0.4016



21.1198, 0.3255, 0.3501



7.2037, 0.3773, 0.3292



5.0130, 0.3269, 0.3525



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



11.9942, 0.3566, 0.4016



20.4220, 0.3672, 0.4192



11.2040, 0.3319, 0.4078



2.9691, 0.3249, 0.3492



15.0864, 0.4192, 0.5053



80.5938, 0.4192, 0.5053

Inverse Universe

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



6.2637, 0.2616, 0.2444



8.8101, 0.2465, 0.2195



6.8962, 0.2879, 0.2504



2.5160, 0.3000, 0.3080



1.1747, 0.1500, 0.0600



6.2743, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 11.9937, 0.3566, 0.4016 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 11.9937, 0.3566, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

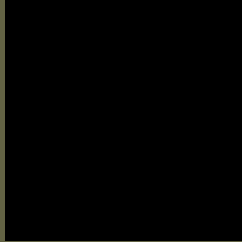
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9937, 0.3566, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 11.9937, 0.3566, 0.4016.



This preview shows how white text looks on a background with the Yxy color 11.9937, 0.3566, 0.4016.

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

11.9937, 0.3566, 0.4016

Protanopia

11.9579, 0.3692, 0.3972

Deuteranopia

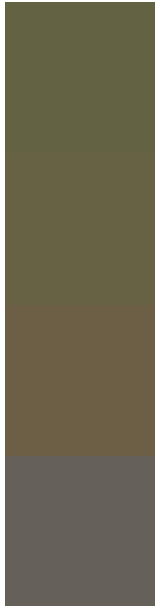
11.9032, 0.3858, 0.3809



Tritanopia

12.0273, 0.3150, 0.3135

Trichromacy



Original Color

11.9937, 0.3566, 0.4016

Protanomaly

12.0242, 0.3652, 0.4001

Deuteranomaly

11.8653, 0.3743, 0.3871

Tritanomaly

11.9287, 0.3306, 0.3427

Monochromacy



Original Color

11.9937, 0.3566, 0.4016

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5084, 0.3285, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9937, 0.3566, 0.4016 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(99, 99, 68) looks like.

```
.text, #text, p{  
    color:rgb(99, 99, 68)  
}
```

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(99, 99, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 99, 68) }
```

Border

The CSS property to change the border of an element to Yxy 11.9937, 0.3566, 0.4016 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(99, 99, 68) }
```

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

```
.border{ border-color:rgb(99, 99, 68) }
```

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

Here you see how a box with a 4 pixel rgb(99, 99, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 99, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 99, 68);  
box-shadow:4px 4px 4px 4px rgb(99, 99, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9937, 0.3566, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 99, 68) }
```

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

```
.background{ background-color: rgb(99, 99,  
68) }
```

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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