

Converting Colors

$Y_{xy}(11.1728, 0.3147, 0.4259)$

Have a look what the booklet for
Yxy(11.1728, 0.3147, 0.4259)
contains.

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Color

Yxy(11.1982, 0.3136, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	466642
RGB	70, 102, 66
RGB Percent	27%, 40%, 26%
CMY	0.7256, 0.6000, 0.7412
CMYK	0.31, 0.00, 0.35, 0.60
HSL	113°, 21%, 33%
HSV	113°, 35%, 40%
XYZ	8.2591, 11.1982, 6.8790
YIQ	88.3280, -7.5160, -17.9800

Conversions

Conversions Part 2

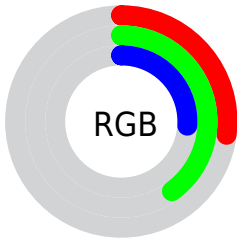
Format	Color
RYB	66, 102, 98
Decimal	4613698
CIELab	39.91, -19.54, 16.74
CIELCh	40, 25.732, 139.404
Yxy	11.1982, 0.3136, 0.4252
Android (android.graphics.Color)	4282803778 (0xFF466642)
YUV	88.3280, -11.0077, -16.0737
Hunter-Lab	33.4637, -14.5065, 11.2365

Details

The Yxy color **11.1982, 0.3136, 0.4252** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.4529, 0.3092, 0.2455**, and the grayscale version is **9.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9193, 0.3143, 0.3983**, and **2.9845, 0.3091, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **10.7768, 0.3132, 0.4574**, and if you desaturate by 10%, it is **11.6930, 0.3137, 0.3947**.

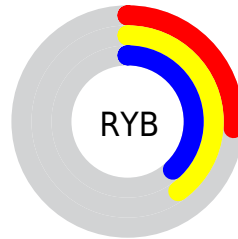
Distribution



Red (27%)

Green (40%)

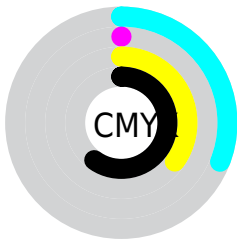
Blue (26%)



Red (26%)

Yellow (40%)

Blue (38%)

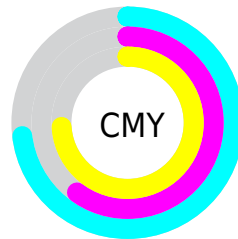


Cyan (31%)

Magenta (0%)

Yellow (35%)

Black (60%)



Cyan (73%)


Magenta (60%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1982, 0.3136, 0.4252 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 11.1982, 0.3136, 0.4252 by changing the saturation by 10% instead.


 11.1982, 0.3136,
0.4252


 11.1982, 0.3136,
0.4252


 199.0223, 0.3144,
0.3636


 6.2003, 0.3121,
0.4485

 28.0261, 0.3145,
0.3980


 2.9673, 0.3083,
0.4862


 40.6249, 0.3146,
0.3895

 1.1147, 0.3320,
0.6538

 56.5261, 0.3146,
0.3828

 0.0000, 0.0000,
0.0000

 76.1141, 0.3146,
0.3774

 99.7734, 0.3146,
0.3730

 127.8882, 0.3145,

0.3694

160.8431, 0.3144,
0.3663

■ 11.1982, 0.3136,
0.4252

■ 11.1982, 0.3136,
0.4252

■ 10.7768, 0.3132,
0.4574

■ 11.6930, 0.3137,
0.3947

■ 10.4239, 0.3124,
0.4900

■ 12.2631, 0.3134,
0.3666

■ 10.1363, 0.3111,
0.5214


■ 12.9117, 0.3130,
0.3413


■ 9.9100, 0.3093,
0.5494

■ 13.6419, 0.3124,
0.3188


■ 9.7405, 0.3072,
0.5721

■ 14.4562, 0.3118,
0.2989

 9.6209, 0.3051,
0.5889

 15.3573, 0.3111,
0.2816

 9.5773, 0.3047,
0.5963

 16.3476, 0.3104,
0.2664

 17.4295, 0.3097,
0.2532

 18.6052, 0.3090,
0.2417

Harmonies

Analogous

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



11.1982, 0.3694, 0.4331



11.1982, 0.3136, 0.4252



11.1982, 0.2603, 0.3820

Triad

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



11.1982, 0.3136, 0.4252



11.1982, 0.2192, 0.2447



11.1982, 0.4100, 0.3235

Complementary

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



11.1982, 0.3136, 0.4252



7.4529, 0.3092, 0.2455

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.



11.1982, 0.3623, 0.2825



11.1982, 0.3136, 0.4252



11.1982, 0.2518, 0.2386

Square

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



11.1982, 0.3136, 0.4252



11.1982, 0.2092, 0.2732



11.1982, 0.3032, 0.2524



11.1982, 0.4283, 0.3684

Rectangle

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



11.1982, 0.3136, 0.4252



11.1982, 0.2332, 0.3427



11.1982, 0.3032, 0.2524



11.1982, 0.3966, 0.3090

Sweetspot

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



11.1987, 0.3136, 0.4252



21.9406, 0.3133, 0.3562



11.9175, 0.3651, 0.4024



5.1525, 0.3133, 0.3585



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.1987, 0.3136, 0.4252



19.0424, 0.3133, 0.4505



11.2384, 0.2915, 0.3882



3.1558, 0.3132, 0.3501



12.2878, 0.3042, 0.5967



63.8835, 0.3022, 0.5982

Inverse Universe

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



7.4529, 0.3092, 0.2455



11.4463, 0.3080, 0.2271



7.4286, 0.3425, 0.2767



2.8744, 0.3121, 0.3086



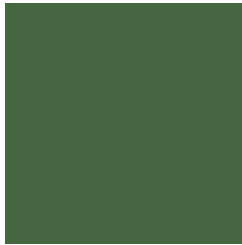
4.0600, 0.2943, 0.1395



20.9407, 0.2927, 0.1386

Previews

White Background



This preview shows how the Yxy color 11.1982, 0.3136, 0.4252 looks on a white background.

Color Contrast Check

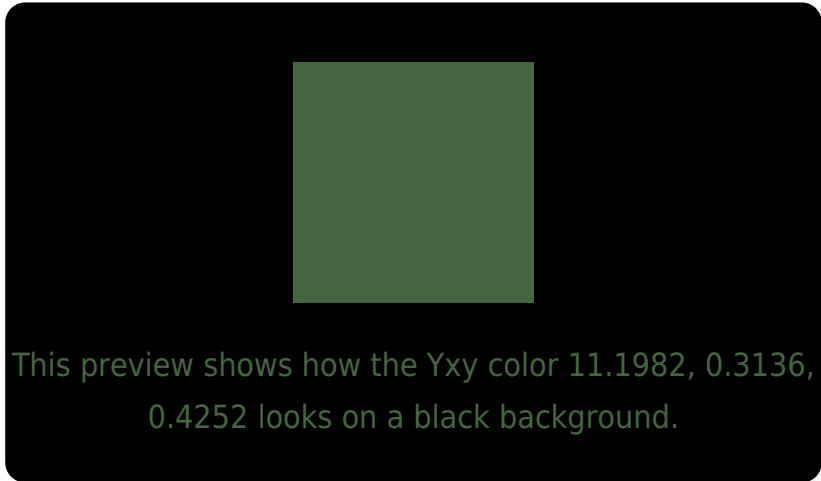
Large Text (above 18pt) WCAG AA ✓ Pass

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

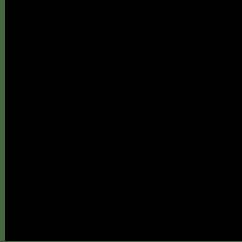
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1982, 0.3136, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 11.1982, 0.3136, 0.4252.



This preview shows how white text looks on a background with the Yxy color 11.1982, 0.3136, 0.4252.

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

11.1982, 0.3136, 0.4252

Protanopia

11.1891, 0.3722, 0.4013

Deuteranopia

11.1215, 0.3814, 0.3759



Tritanopia

11.1471, 0.2744, 0.3094

Trichromacy



Original Color

11.1982, 0.3136, 0.4252

Protanomaly

11.0932, 0.3487, 0.4108

Deuteranomaly

10.9096, 0.3546, 0.3920

Tritanomaly

11.1349, 0.2878, 0.3494

Monochromacy



Original Color

11.1982, 0.3136, 0.4252

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.1572, 0.3127, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1982, 0.3136, 0.4252 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(70, 102, 66)` looks like.

```
.text, #text, p{  
    color:rgb(70, 102, 66)  
}
```

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(70, 102, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 102, 66) }
```

Border

The CSS property to change the border of an element to Yxy 11.1982, 0.3136, 0.4252 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(70, 102, 66) }
```

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

```
.border{ border-color:rgb(70, 102, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 102, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 102, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 102, 66);  
box-shadow:4px 4px 4px 4px rgb(70, 102,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1982, 0.3136, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 102, 66) }
```

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

```
.background{ background-color: rgb(70, 102,  
66) }
```

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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