

Converting Colors

$Y_{xy}(12.5168, 0.3242, 0.4139)$

Have a look what the booklet for
Yxy(12.5168, 0.3242, 0.4139)
contains.

Yxy(12.6020, 0.3250, 0.4154)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.6020, 0.3250, 0.4154)$

Conversions

Conversions Part 1

Format	Color
Hex	536A47
RGB	83, 106, 71
RGB Percent	33%, 42%, 28%
CMY	0.6745, 0.5843, 0.7215
CMYK	0.22, 0.00, 0.33, 0.58
HSL	99°, 20%, 35%
HSV	99°, 33%, 42%
XYZ	9.8595, 12.6020, 7.8755
YIQ	95.1330, -2.4730, -15.7610

Conversions

Conversions Part 2

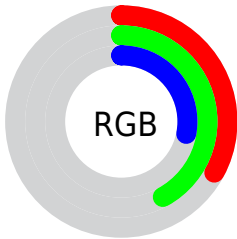
Format	Color
RYB	71, 106, 94
Decimal	5466695
CIELab	42.16, -15.75, 16.94
CIElCh	42, 23.129, 132.906
Yxy	12.6020, 0.3250, 0.4154
Android (android.graphics.Color)	4283656775 (0xFF536A47)
YUV	95.1330, -11.8976, -10.6406
Hunter-Lab	35.4993, -12.5474, 11.6961

Details

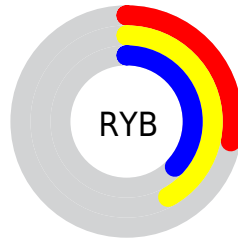
The Yxy color **12.6020, 0.3250, 0.4154** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9280, 0.2954, 0.2472**, and the grayscale version is **11.5076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4566, 0.3225, 0.3910**, and **3.6004, 0.3269, 0.4661** is the 20% darker color. If you saturate the color by 10%, you get **12.1770, 0.3278, 0.4452**, and if you desaturate by 10%, it is **13.0837, 0.3216, 0.3869**.

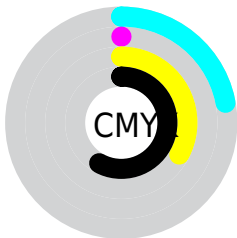
Distribution



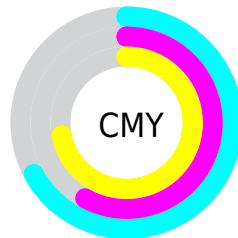
- Red (33%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (37%)



- Cyan (22%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)





- Cyan (67%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6020, 0.3250, 0.4154 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 12.6020, 0.3250, 0.4154 by changing the saturation by 10% instead.


 12.6020, 0.3250,
0.4154


 12.6020, 0.3250,
0.4154


208.3510, 0.3186,
0.3613


 7.1551, 0.3263,
0.4349


 30.5869, 0.3228,
0.3920

 3.5593, 0.3271,
0.4654

 43.8936, 0.3219,
0.3845

 1.4302, 0.3436,
0.5486

 60.5891, 0.3211,
0.3785

 0.2388, 0.0000,
1.0000

 81.0576, 0.3204,
0.3737

 0.0000, 0.0000,
0.0000

 105.6837, 0.3199,
0.3698

134.8517, 0.3194,

0.3665

168.9460, 0.3190,
0.3637

■ 12.6020, 0.3250,
0.4154

■ 12.6020, 0.3250,
0.4154

■ 12.1770, 0.3278,
0.4452

■ 13.0837, 0.3216,
0.3869

■ 11.8049, 0.3296,
0.4754

■ 13.6224, 0.3179,
0.3603

■ 11.4838, 0.3303,
0.5046


■ 14.2208, 0.3139,
0.3359


■ 11.2113, 0.3296,
0.5313


■ 14.8805, 0.3099,
0.3138

■ 10.9847, 0.3274,
0.5540


■ 15.6033, 0.3060,
0.2940


 10.8003, 0.3238,
0.5716

 16.3910, 0.3022,
0.2763

 10.6895, 0.3214,
0.5830

 17.2452, 0.2986,
0.2606

 18.1673, 0.2952,
0.2467

 19.1589, 0.2920,
0.2344

Harmonies

Analogous

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



12.6020, 0.3720, 0.4167



12.6020, 0.3250, 0.4154



12.6020, 0.2769, 0.3842

Triad

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



12.6020, 0.3250, 0.4154



12.6020, 0.2271, 0.2594



12.6020, 0.3895, 0.3165

Complementary

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



12.6020, 0.3250, 0.4154



7.9280, 0.2954, 0.2472

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.



12.6020, 0.3450, 0.2817



12.6020, 0.3250, 0.4154



12.6020, 0.2519, 0.2493

Square

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



12.6020, 0.3250, 0.4154



12.6020, 0.2229, 0.2893



12.6020, 0.2941, 0.2577



12.6020, 0.4118, 0.3560

Rectangle

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



12.6020, 0.3250, 0.4154



12.6020, 0.2505, 0.3523



12.6020, 0.2941, 0.2577



12.6020, 0.3764, 0.3040

Sweetspot

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



12.6025, 0.3250, 0.4154



24.1844, 0.3168, 0.3534



11.4808, 0.3670, 0.3809



5.6410, 0.3172, 0.3559



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.6025, 0.3250, 0.4154



21.5060, 0.3273, 0.4395



12.1734, 0.3023, 0.4058



3.4906, 0.3163, 0.3502



13.2484, 0.3207, 0.5836



67.0668, 0.3170, 0.5865

Inverse Universe

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



7.9280, 0.2954, 0.2472



11.8633, 0.2898, 0.2260



8.5066, 0.3254, 0.2627



3.1145, 0.3088, 0.3081



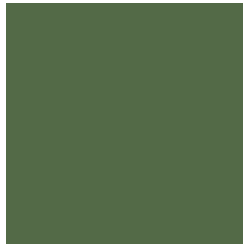
2.8721, 0.2392, 0.1092



14.1408, 0.2347, 0.1067

Previews

White Background



This preview shows how the Yxy color 12.6020, 0.3250, 0.4154 looks on a white background.

Color Contrast Check

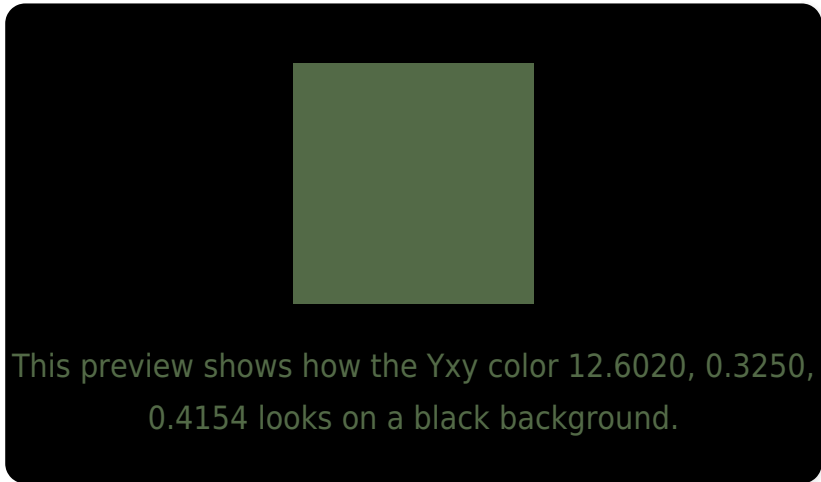
Large Text (above 18pt) WCAG AA ✓ Pass

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

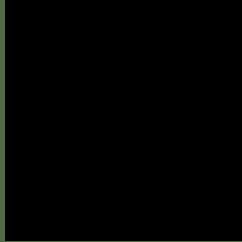
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6020, 0.3250, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 12.6020, 0.3250, 0.4154.



This preview shows how white text looks on a background with the Yxy color 12.6020, 0.3250, 0.4154.

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

12.6020, 0.3250, 0.4154

Protanopia

12.4668, 0.3696, 0.3983

Deuteranopia

12.4474, 0.3814, 0.3758



Tritanopia

12.5353, 0.2859, 0.3107

Trichromacy



Original Color

12.6020, 0.3250, 0.4154

Protanomaly

12.5291, 0.3519, 0.4059

Deuteranomaly

12.3948, 0.3606, 0.3901

Tritanomaly

12.5530, 0.3006, 0.3479

Monochromacy



Original Color

12.6020, 0.3250, 0.4154

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8197, 0.3187, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6020, 0.3250, 0.4154 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, 106, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 106, 71)  
}
```

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, 106, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 106, 71) }
```

Border

The CSS property to change the border of an element to Yxy 12.6020, 0.3250, 0.4154 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, 106, 71) }
```

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

```
.border{ border-color:rgb(83, 106, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 106, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 106, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 106, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 106,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6020, 0.3250, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 106, 71) }
```

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

```
.background{ background-color: rgb(83, 106,  
71) }
```

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