

Converting Colors

$Y_{xy}(12.6005, 0.3260, 0.4639)$

Have a look what the booklet for
Yxy(12.6005, 0.3260, 0.4639)
contains.

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Color

Yxy(12.6005, 0.3260, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	486D38
RGB	72, 109, 56
RGB Percent	28%, 43%, 22%
CMY	0.7177, 0.5725, 0.7804
CMYK	0.34, 0.00, 0.49, 0.57
HSL	102°, 32%, 32%
HSV	102°, 49%, 43%
XYZ	8.8548, 12.6005, 5.7068
YIQ	91.8950, -5.0390, -24.3270

Conversions

Conversions Part 2

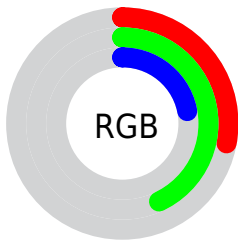
Format	Color
RYB	56, 109, 93
Decimal	4746552
CIELab	42.16, -24.00, 25.42
CIELCh	42, 34.962, 133.358
Yxy	12.6005, 0.3260, 0.4639
Android (android.graphics.Color)	4282936632 (0xFF486D38)
YUV	91.8950, -17.6962, -17.4479
Hunter-Lab	35.4972, -17.5929, 15.3162

Details

The Yxy color **12.6005, 0.3260, 0.4639** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.2600, 0.2880, 0.2075**, and the grayscale version is **10.7196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6268, 0.3246, 0.4273**, and **3.5558, 0.3213, 0.5426** is the 20% darker color. If you saturate the color by 10%, you get **12.2311, 0.3267, 0.4943**, and if you desaturate by 10%, it is **13.0304, 0.3243, 0.4332**.

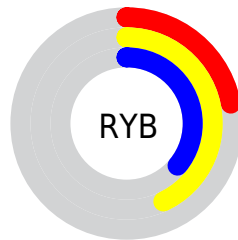
Distribution



Red (28%)

Green (43%)

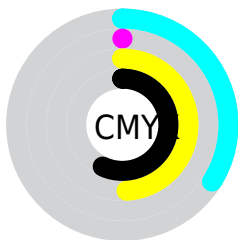
Blue (22%)



Red (22%)

Yellow (43%)

Blue (36%)

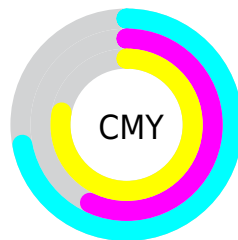


Cyan (34%)

Magenta (0%)

Yellow (49%)

Black (57%)



Cyan (72%)


Magenta (57%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6005, 0.3260, 0.4639 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 12.6005, 0.3260, 0.4639 by changing the saturation by 10% instead.


 12.6005, 0.3260,
0.4639


 12.6005, 0.3260,
0.4639


 208.3412, 0.3207,
0.3785


 7.1540, 0.3253,
0.4948


 30.5842, 0.3250,
0.4268


 3.5586, 0.3212,
0.5426

 43.8902, 0.3242,
0.4149

 1.4299, 0.3265,
0.6735

 60.5848, 0.3235,
0.4055

 0.2386, 0.0000,
1.0000

 81.0524, 0.3228,
0.3980

 0.0000, 0.0000,
0.0000

 105.6775, 0.3222,
0.3918

 134.8444, 0.3216,

0.3866

168.9375, 0.3211,
0.3822

■ 12.6005, 0.3260,
0.4639

■ 12.6005, 0.3260,
0.4639

■ 12.2311, 0.3267,
0.4943

■ 13.0304, 0.3243,
0.4332

■ 11.9179, 0.3262,
0.5229

■ 13.5219, 0.3218,
0.4034

■ 11.6581, 0.3244,
0.5480


■ 14.0779, 0.3189,
0.3753


■ 11.4483, 0.3213,
0.5681

■ 14.7008, 0.3156,
0.3494


■ 11.2803, 0.3177,
0.5841

■ 15.3928, 0.3122,
0.3259

 11.2595, 0.3173,
0.5863

 16.1560, 0.3089,
0.3048

 16.9924, 0.3056,
0.2860

 17.9039, 0.3024,
0.2694

 18.8925, 0.2993,
0.2546

Harmonies

Analogous

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



12.6005, 0.3960, 0.4596



12.6005, 0.3260, 0.4639



12.6005, 0.2562, 0.4146

Triad

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



12.6005, 0.3260, 0.4639



12.6005, 0.1900, 0.2259



12.6005, 0.4299, 0.3088

Complementary

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



12.6005, 0.3260, 0.4639



6.2600, 0.2880, 0.2075

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.



12.6005, 0.3612, 0.2609



12.6005, 0.3260, 0.4639



12.6005, 0.2243, 0.2146

Square

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



12.6005, 0.3260, 0.4639



12.6005, 0.1833, 0.2658



12.6005, 0.2845, 0.2275



12.6005, 0.4620, 0.3638

Rectangle

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



12.6005, 0.3260, 0.4639



12.6005, 0.2194, 0.3619



12.6005, 0.2845, 0.2275



12.6005, 0.4099, 0.2916

Sweetspot

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



12.6010, 0.3260, 0.4639



25.5520, 0.3178, 0.3667



11.2292, 0.3961, 0.4093



5.9066, 0.3183, 0.3709



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.6010, 0.3260, 0.4639



21.8411, 0.3267, 0.4973



12.1686, 0.2960, 0.4461



3.4850, 0.3157, 0.3502



13.1571, 0.3167, 0.5867



66.6354, 0.3132, 0.5895

Inverse Universe

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



6.2600, 0.2880, 0.2075



9.0439, 0.2803, 0.1810



6.9861, 0.3366, 0.2355



3.1203, 0.3094, 0.3082



3.0805, 0.2486, 0.1143



15.2282, 0.2445, 0.1121

Previews

White Background



This preview shows how the Yxy color 12.6005, 0.3260, 0.4639 looks on a white background.

Color Contrast Check

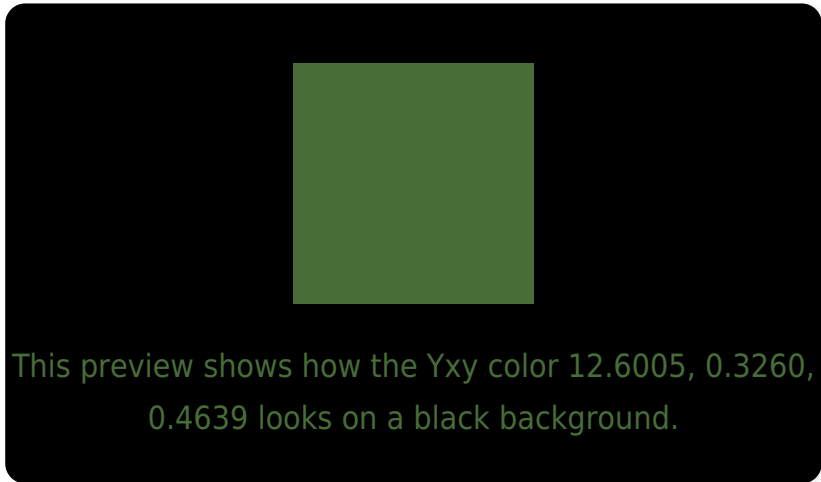
Large Text (above 18pt) WCAG AA ✓ Pass

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

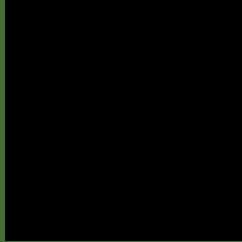
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6005, 0.3260, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 12.6005, 0.3260, 0.4639.



This preview shows how white text looks on a background with the Yxy color 12.6005, 0.3260, 0.4639.

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

12.6005, 0.3260, 0.4639

Protanopia

12.4319, 0.3934, 0.4285

Deuteranopia

12.5037, 0.4058, 0.4010



Tritanopia

12.5975, 0.2737, 0.3103

Trichromacy



Original Color

12.6005, 0.3260, 0.4639

Protanomaly

12.4536, 0.3674, 0.4425

Deuteranomaly

12.3137, 0.3748, 0.4218

Tritanomaly

12.4782, 0.2936, 0.3634

Monochromacy



Original Color

12.6005, 0.3260, 0.4639

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.2312, 0.3194, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6005, 0.3260, 0.4639 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(72, 109, 56)` looks like.

```
.text, #text, p{  
  color:rgb(72, 109, 56)  
}
```

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(72, 109, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 109, 56) }
```

Border

The CSS property to change the border of an element to Yxy 12.6005, 0.3260, 0.4639 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(72, 109, 56) }
```

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

```
.border{ border-color:rgb(72, 109, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 109, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 109, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 109, 56);  
box-shadow:4px 4px 4px 4px rgb(72, 109,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6005, 0.3260, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 109, 56) }
```

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

```
.background{ background-color: rgb(72, 109,  
56) }
```

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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