

Converting Colors

$Y_{xy}(12.6951, 0.3126, 0.4464)$

Have a look what the booklet for
Yxy(12.6951, 0.3126, 0.4464)
contains.

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Color

$\text{Yxy}(12.7872, 0.3132, 0.4473)$

Conversions

Conversions Part 1

Format	Color
Hex	456E40
RGB	69, 110, 64
RGB Percent	27%, 43%, 25%
CMY	0.7296, 0.5686, 0.7490
CMYK	0.37, 0.00, 0.42, 0.57
HSL	114°, 26%, 34%
HSV	114°, 42%, 43%
XYZ	8.9536, 12.7872, 6.8467
YIQ	92.4970, -9.6700, -22.9980

Conversions

Conversions Part 2

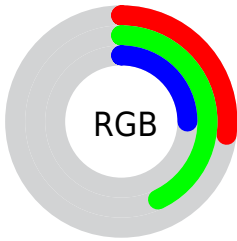
Format	Color
R_{YB}	64, 110, 105
Decimal	4550208
CIE _{Lab}	42.44, -24.40, 21.23
CIE _{LCh}	42, 32.339, 138.971
Yxy	12.7872, 0.3132, 0.4473
Android (android.graphics.Color)	4282740288 (0xFF456E40)
YUV	92.4970, -14.0490, -20.6069
Hunter-Lab	35.7592, -17.8846, 13.6793

Details

The Yxy color **12.7872, 0.3132, 0.4473** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.7989, 0.3084, 0.2295**, and the grayscale version is **10.8566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9325, 0.3150, 0.4155**, and **3.6552, 0.3054, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **12.3451, 0.3125, 0.4803**, and if you desaturate by 10%, it is **13.3145, 0.3135, 0.4152**.

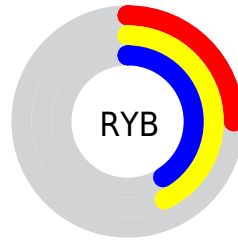
Distribution



Red (27%)

Green (43%)

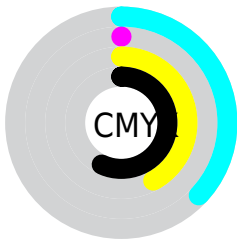
Blue (25%)



Red (25%)

Yellow (43%)

Blue (41%)

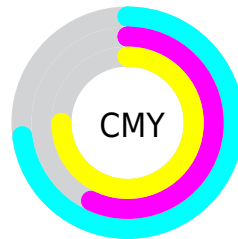


Cyan (37%)

Magenta (0%)

Yellow (42%)

Black (57%)



Cyan (73%)


Magenta (57%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7872, 0.3132, 0.4473 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 12.7872, 0.3132, 0.4473 by changing the saturation by 10% instead.


 12.7872, 0.3132,
0.4473


 12.7872, 0.3132,
0.4473


209.5493, 0.3150,
0.3724


 7.2822, 0.3108,
0.4747


 30.9209, 0.3148,
0.4147

 3.6392, 0.3052,
0.5178

 44.3185, 0.3151,
0.4042


 1.4739, 0.3239,
0.6691

 61.1156, 0.3152,
0.3960

 0.2702, 0.0000,
1.0000

 81.6967, 0.3152,
0.3894

 0.0000, 0.0000,
0.0000

 106.4463, 0.3151,
0.3840

 135.7486, 0.3151,

0.3795

169.9882, 0.3150,
0.3757

■ 12.7872, 0.3132,
0.4473

■ 12.7872, 0.3132,
0.4473

■ 12.3451, 0.3125,
0.4803

■ 13.3145, 0.3135,
0.4152

■ 11.9822, 0.3113,
0.5125

■ 13.9293, 0.3135,
0.3852

■ 11.6942, 0.3096,
0.5420


■ 14.6362, 0.3133,
0.3578

■ 11.4758, 0.3076,
0.5666

■ 15.4385, 0.3128,
0.3332

■ 11.3210, 0.3053,
0.5846


■ 16.3397, 0.3122,
0.3114

 11.2309, 0.3042,
0.5966

 17.3431, 0.3116,
0.2923

 18.4516, 0.3109,
0.2757

 19.6683, 0.3102,
0.2612

 20.9959, 0.3096,
0.2485

Harmonies

Analogous

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



12.7872, 0.3794, 0.4537



12.7872, 0.3132, 0.4473



12.7872, 0.2503, 0.3945

Triad

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



12.7872, 0.3132, 0.4473



12.7872, 0.2024, 0.2295



12.7872, 0.4292, 0.3202

Complementary

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



12.7872, 0.3132, 0.4473



7.7989, 0.3084, 0.2295

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.



12.7872, 0.3709, 0.2733



12.7872, 0.3132, 0.4473



12.7872, 0.2395, 0.2229

Square

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



12.7872, 0.3132, 0.4473



12.7872, 0.1912, 0.2620



12.7872, 0.2996, 0.2389



12.7872, 0.4511, 0.3724

Rectangle

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



12.7872, 0.3132, 0.4473



12.7872, 0.2187, 0.3456



12.7872, 0.2996, 0.2389



12.7872, 0.4129, 0.3037

Sweetspot

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



12.7877, 0.3132, 0.4473



25.4999, 0.3133, 0.3618



13.7159, 0.3757, 0.4165



5.8822, 0.3134, 0.3664



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.



12.7877, 0.3132, 0.4473



21.7116, 0.3125, 0.4787



12.8474, 0.2879, 0.4021



3.7789, 0.3131, 0.3506



13.4819, 0.3039, 0.5969



66.9645, 0.3021, 0.5983

Inverse Universe

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



7.7989, 0.3084, 0.2295



11.6937, 0.3067, 0.2082



7.7617, 0.3504, 0.2663



3.4361, 0.3121, 0.3081



4.4735, 0.2949, 0.1398



22.0576, 0.2934, 0.1390

Previews

White Background



This preview shows how the Yxy color 12.7872, 0.3132, 0.4473 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 12.7872, 0.3132, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

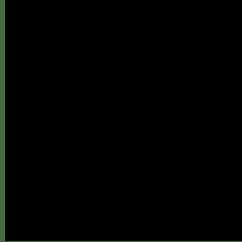
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7872, 0.3132, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 12.7872, 0.3132, 0.4473.



This preview shows how white text looks on a background with the Yxy color 12.7872, 0.3132, 0.4473.

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

12.7872, 0.3132, 0.4473

Protanopia

12.6918, 0.3832, 0.4164

Deuteranopia

12.5116, 0.3938, 0.3876



Tritanopia

12.7126, 0.2682, 0.3080

Trichromacy



Original Color

12.7872, 0.3132, 0.4473

Protanomaly

12.6172, 0.3549, 0.4302

Deuteranomaly

12.2744, 0.3620, 0.4074

Tritanomaly

12.6301, 0.2852, 0.3560

Monochromacy



Original Color

12.7872, 0.3132, 0.4473

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4177, 0.3137, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7872, 0.3132, 0.4473 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(69, 110, 64)` looks like.

```
.text, #text, p{  
    color:rgb(69, 110, 64)  
}
```

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(69, 110, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 110, 64) }
```

Border

The CSS property to change the border of an element to Yxy 12.7872, 0.3132, 0.4473 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(69, 110, 64) }
```

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

```
.border{ border-color:rgb(69, 110, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 110, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 110, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 110, 64);  
box-shadow:4px 4px 4px 4px rgb(69, 110,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7872, 0.3132, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 110, 64) }
```

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

```
.background{ background-color: rgb(69, 110,  
64) }
```

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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