

Converting Colors

$Y_{xy}(12.0279, 0.3278, 0.4054)$

Have a look what the booklet for
Yxy(12.0279, 0.3278, 0.4054)
contains.

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Color

Yxy(12.0997, 0.3275, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	556748
RGB	85, 103, 72
RGB Percent	33%, 40%, 28%
CMY	0.6667, 0.5961, 0.7176
CMYK	0.17, 0.00, 0.30, 0.60
HSL	95°, 18%, 34%
HSV	95°, 30%, 40%
XYZ	9.7650, 12.0997, 7.9522
YIQ	94.0840, -0.7770, -13.4570

Conversions

Conversions Part 2

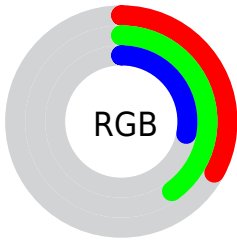
Format	Color
R_YB	72, 103, 90
Decimal	5597000
CIE _{Lab}	41.37, -13.12, 15.32
CIE _{LCh}	41, 20.173, 130.581
Yxy	12.0997, 0.3275, 0.4058
Android (android.graphics.Color)	4283787080 (0xFF556748)
YUV	94.0840, -10.8874, -7.9667
Hunter-Lab	34.7846, -10.7630, 10.7949

Details

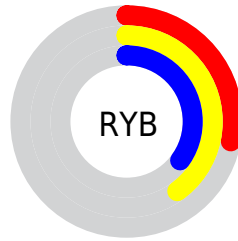
The Yxy color **12.0997, 0.3275, 0.4058** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.7898, 0.2933, 0.2542**, and the grayscale version is **11.2403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6426, 0.3241, 0.3843**, and **3.3435, 0.3317, 0.4507** is the 20% darker color. If you saturate the color by 10%, you get **11.7084, 0.3316, 0.4345**, and if you desaturate by 10%, it is **12.5384, 0.3228, 0.3784**.

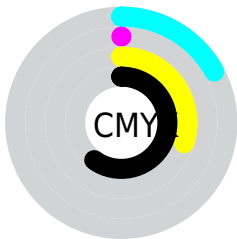
Distribution



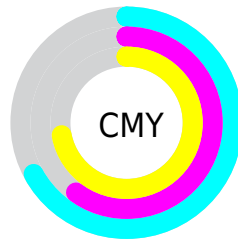
- Red (33%)
- Green (40%)
- Blue (28%)



- Red (28%)
- Yellow (40%)
- Blue (35%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (60%)




- Cyan (67%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0997, 0.3275, 0.4058 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 12.0997, 0.3275, 0.4058 by changing the saturation by 10% instead.


 12.0997, 0.3275,
0.4058


 12.0997, 0.3275,
0.4058

205.0642, 0.3193,
0.3576


 6.8116, 0.3296,
0.4233


 29.6766, 0.3244,
0.3849


 3.3446, 0.3320,
0.4507

 42.7341, 0.3232,
0.3782

 1.3142, 0.3520,
0.5276

 59.1503, 0.3223,
0.3730

 0.1521, 0.0000,
1.0000

 79.3095, 0.3215,
0.3687

 0.0000, 0.0000,
0.0000

 103.5961, 0.3208,
0.3652

132.3945, 0.3202,

0.3623

166.0890, 0.3197,
0.3598

■ 12.0997, 0.3275,
0.4058

■ 12.0997, 0.3275,
0.4058

■ 11.7084, 0.3316,
0.4345

■ 12.5384, 0.3228,
0.3784

■ 11.3610, 0.3348,
0.4636

■ 13.0244, 0.3178,
0.3528

■ 11.0565, 0.3369,
0.4921


■ 13.5598, 0.3128,
0.3292


■ 10.7927, 0.3374,
0.5186


■ 14.1460, 0.3077,
0.3078


■ 10.5674, 0.3363,
0.5418

■ 14.7845, 0.3028,
0.2885


 10.3784, 0.3334,
0.5602

 15.4766, 0.2981,
0.2712

 10.2180, 0.3300,
0.5762

 16.2235, 0.2937,
0.2558

 17.0266, 0.2896,
0.2420

 17.8869, 0.2857,
0.2297

Harmonies

Analogous

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



12.0997, 0.3685, 0.4057



12.0997, 0.3275, 0.4058



12.0997, 0.2843, 0.3803

Triad

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



12.0997, 0.3275, 0.4058



12.0997, 0.2352, 0.2688



12.0997, 0.3780, 0.3156

Complementary

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



12.0997, 0.3275, 0.4058



7.7898, 0.2933, 0.2542

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.



12.0997, 0.3379, 0.2847



12.0997, 0.3275, 0.4058



12.0997, 0.2563, 0.2579

Square

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



12.0997, 0.3275, 0.4058



12.0997, 0.2330, 0.2970



12.0997, 0.2931, 0.2641



12.0997, 0.3996, 0.3510

Rectangle

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



12.0997, 0.3275, 0.4058



12.0997, 0.2600, 0.3531



12.0997, 0.2931, 0.2641



12.0997, 0.3661, 0.3044

Sweetspot

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



12.1002, 0.3275, 0.4058



23.3948, 0.3174, 0.3507



10.5923, 0.3630, 0.3703



5.6827, 0.3180, 0.3535



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.



12.1002, 0.3275, 0.4058



21.1669, 0.3304, 0.4257



11.5751, 0.3064, 0.4047



3.1933, 0.3172, 0.3499



12.8337, 0.3291, 0.5769



66.4430, 0.3251, 0.5801

Inverse Universe

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



7.7898, 0.2933, 0.2542



12.1188, 0.2875, 0.2356



8.4576, 0.3195, 0.2634



2.8348, 0.3078, 0.3083



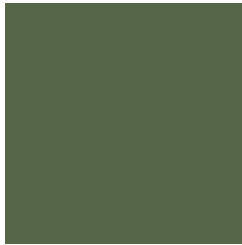
2.4154, 0.2229, 0.1001



12.0755, 0.2176, 0.0972

Previews

White Background



This preview shows how the Yxy color 12.0997, 0.3275, 0.4058 looks on a white background.

Color Contrast Check

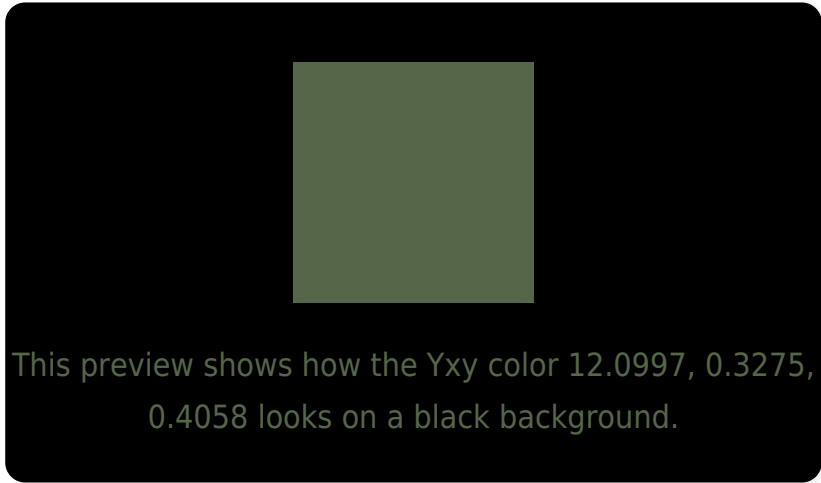
Large Text (above 18pt) WCAG AA ✓ Pass

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

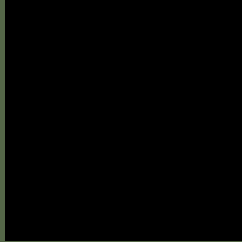
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0997, 0.3275, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 12.0997, 0.3275, 0.4058.



This preview shows how white text looks on a background with the Yxy color 12.0997, 0.3275, 0.4058.

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

12.0997, 0.3275, 0.4058

Protanopia

11.9948, 0.3648, 0.3905

Deuteranopia

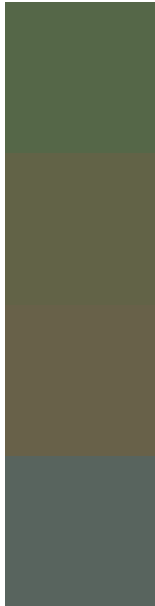
11.9680, 0.3780, 0.3701



Tritanopia

12.1379, 0.2907, 0.3128

Trichromacy



Original Color

12.0997, 0.3275, 0.4058

Protanomaly

11.9753, 0.3508, 0.3949

Deuteranomaly

11.9735, 0.3587, 0.3840

Tritanomaly

11.9972, 0.3034, 0.3433

Monochromacy



Original Color

12.0997, 0.3275, 0.4058

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4454, 0.3190, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0997, 0.3275, 0.4058 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(85, 103, 72)` looks like.

```
.text, #text, p{  
    color:rgb(85, 103, 72)  
}
```

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(85, 103, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 103, 72) }
```

Border

The CSS property to change the border of an element to Yxy 12.0997, 0.3275, 0.4058 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(85, 103, 72) }
```

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

```
.border{ border-color:rgb(85, 103, 72) }
```

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

Here you see how a box with a 4 pixel rgb(85, 103, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 103, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 103, 72);  
box-shadow:4px 4px 4px 4px rgb(85, 103,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0997, 0.3275, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 103, 72) }
```

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

```
.background{ background-color: rgb(85, 103,  
72) }
```

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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