

Converting Colors

$Y_{xy}(10.7337, 0.2600, 0.4505)$

Have a look what the booklet for
Yxy(10.7337, 0.2600, 0.4505)
contains.

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Color

Yxy(10.7272, 0.2598, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	046A42
RGB	4, 106, 66
RGB Percent	2%, 42%, 26%
CMY	0.9848, 0.5843, 0.7412
CMYK	0.96, 0.00, 0.38, 0.58
HSL	156°, 93%, 22%
HSV	156°, 96%, 42%
XYZ	6.1863, 10.7272, 6.8983
YIQ	70.9420, -47.9520, -34.0640

Conversions

Conversions Part 2

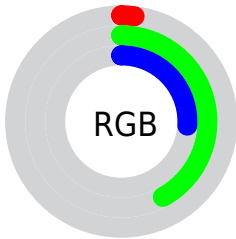
Format	Color
RYB	4, 67, 106
Decimal	289346
CIELab	39.12, -36.45, 15.30
CIElCh	39, 39.529, 157.230
Yxy	10.7272, 0.2598, 0.4505
Android (android.graphics.Color)	4278479426 (0xFF046A42)
YUV	70.9420, -2.4364, -58.7081
Hunter-Lab	32.7524, -23.6015, 10.4391

Details

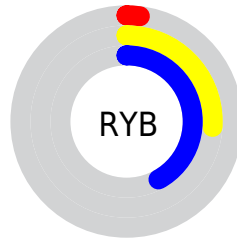
The Yxy color **10.7272, 0.2598, 0.4505** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.3300, 0.5174, 0.2676**, and the grayscale version is **6.2955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0851, 0.2759, 0.4148**, and **2.9881, 0.2738, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **10.6848, 0.2600, 0.4558**, and if you desaturate by 10%, it is **10.8506, 0.2594, 0.4362**.

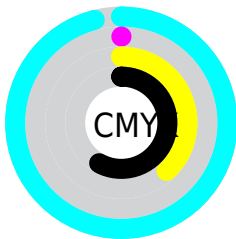
Distribution



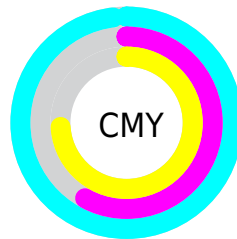
- Red (2%)
- Green (42%)
- Blue (26%)



- Red (2%)
- Yellow (26%)
- Blue (42%)



- Cyan (96%)
- Magenta (0%)
- Yellow (38%)
- Black (58%)




- Cyan (98%)
- Magenta (58%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7272, 0.2598, 0.4505 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 10.7272, 0.2598, 0.4505 by changing the saturation by 10% instead.


 10.7272, 0.2598,
0.4505


 10.7272, 0.2598,
0.4505


195.7863, 0.2946,
0.3711


 5.8837, 0.2458,
0.4821

 27.1546, 0.2755,
0.4148


 2.7745, 0.2224,
0.5347


 39.5073, 0.2803,
0.4037

 1.0152, 0.0624,
0.9112

 55.1319, 0.2841,
0.3952

 0.0000, 0.0000,
0.0000

 74.4127, 0.2870,
0.3884

 97.7341, 0.2894,
0.3829


 125.4806, 0.2914,

0.3783


 158.0365, 0.2931,
0.3744


 10.7272, 0.2598,
0.4505


 10.7272, 0.2598,
0.4505


 10.6848, 0.2600,
0.4558

 10.8506, 0.2594,
0.4362

 11.0155, 0.2605,
0.4217

 11.2354, 0.2634,
0.4074

 11.5153, 0.2679,
0.3934

 11.8601, 0.2738,
0.3800

■ 12.2738, 0.2810,
0.3673

■ 12.7603, 0.2890,
0.3555

■ 13.3230, 0.2977,
0.3447

■ 13.9652, 0.3068,
0.3348

Harmonies

Analogous

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



10.7272, 0.3428, 0.4958



10.7272, 0.2598, 0.4505



10.7272, 0.1960, 0.3543

Triad

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



10.7272, 0.2598, 0.4505



10.7272, 0.1991, 0.1968



10.7272, 0.4866, 0.3525

Complementary

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



10.7272, 0.2598, 0.4505



3.3300, 0.5174, 0.2676

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.



10.7272, 0.4383, 0.2916



10.7272, 0.2598, 0.4505



10.7272, 0.2621, 0.2068

Square

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



10.7272, 0.2598, 0.4505



10.7272, 0.1670, 0.2145



10.7272, 0.3504, 0.2402



10.7272, 0.4773, 0.4165

Rectangle

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



10.7272, 0.2598, 0.4505



10.7272, 0.1717, 0.2920



10.7272, 0.3504, 0.2402



10.7272, 0.4768, 0.3316

Sweetspot

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



10.7276, 0.2598, 0.4505



22.0812, 0.2861, 0.3595



10.8696, 0.3288, 0.5722



5.1101, 0.2836, 0.3632



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.



10.7276, 0.2598, 0.4505



18.7272, 0.2610, 0.4595



9.3940, 0.2177, 0.3001



3.4728, 0.3044, 0.3373



13.2520, 0.2604, 0.4573



67.3504, 0.2626, 0.4653

Inverse Universe

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



3.3300, 0.5174, 0.2676



5.6436, 0.5353, 0.2723



3.3898, 0.6151, 0.3404



3.1346, 0.3219, 0.3209



3.9996, 0.5315, 0.2701



20.2193, 0.5455, 0.2779

Previews

White Background



This preview shows how the Yxy color 10.7272, 0.2598, 0.4505 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 10.7272, 0.2598, 0.4505 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 10.7272, 0.2598, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 10.7272, 0.2598, 0.4505.



This preview shows how white text looks on a background with the Yxy color 10.7272, 0.2598, 0.4505.

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

10.7272, 0.2598, 0.4505

Protanopia

10.6899, 0.3749, 0.4048

Deuteranopia

10.6098, 0.3761, 0.3702



Tritanopia

10.8236, 0.2336, 0.3078

Trichromacy



Original Color

10.7272, 0.2598, 0.4505

Protanomaly

10.0210, 0.3123, 0.4273

Deuteranomaly

9.9162, 0.3108, 0.4007

Tritanomaly

10.7104, 0.2417, 0.3570

Monochromacy



Original Color

10.7272, 0.2598, 0.4505

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.3747, 0.2769, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7272, 0.2598, 0.4505 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(4, 106, 66)` looks like.

```
.text, #text, p{  
    color:rgb(4, 106, 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(4, 106, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 106, 66) }
```

Border

The CSS property to change the border of an element to Yxy 10.7272, 0.2598, 0.4505 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(4, 106, 66) }
```

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

```
.border{ border-color:rgb(4, 106, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 106, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 106, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 106, 66);  
box-shadow:4px 4px 4px 4px rgb(4, 106, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7272, 0.2598, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 106, 66) }
```

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

```
.background{ background-color: rgb(4, 106,  
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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