

Converting Colors

$Y_{xy}(9.2719, 0.2051, 0.4705)$

Have a look what the booklet for
Yxy(9.2719, 0.2051, 0.4705)
contains.

Yxy(10.2708, 0.2592, 0.4531)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(10.2708, 0.2592, 0.4531)$

Conversions

Conversions Part 1

Format	Color
Hex	006840
RGB	0, 104, 64
RGB Percent	0%, 41%, 25%
CMY	1.0000, 0.5921, 0.7491
CMYK	1.00, 0.00, 0.38, 0.59
HSL	157°, 100%, 20%
HSV	157°, 100%, 41%
XYZ	5.8755, 10.2708, 6.5215
YIQ	68.3440, -49.1440, -34.4880

Conversions

Conversions Part 2

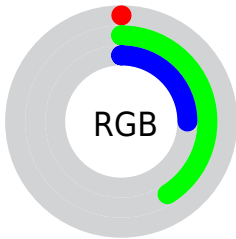
Format	Color
RYB	0, 64, 104
Decimal	26688
CIELab	38.32, -36.46, 15.41
CIELCh	38, 39.580, 157.085
Yxy	10.2708, 0.2592, 0.4531
Android (android.graphics.Color)	4278216768 (0xFF006840)
YUV	68.3440, -2.1416, -59.9377
Hunter-Lab	32.0481, -23.3590, 10.3686

Details

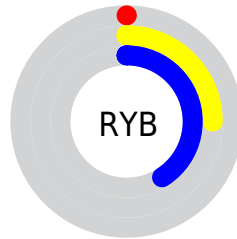
The Yxy color **10.2708, 0.2592, 0.4531** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0967, 0.5309, 0.2699**, and the grayscale version is **5.8489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2864, 0.2756, 0.4160**, and **2.7865, 0.2752, 0.5107** is the 20% darker color. If you saturate the color by 10%, you get **10.2711, 0.2592, 0.4531**, and if you desaturate by 10%, it is **10.3855, 0.2588, 0.4390**.

Distribution



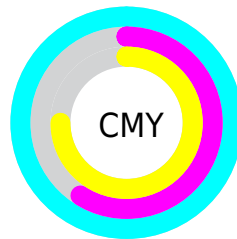
- Red (0%)
- Green (41%)
- Blue (25%)



- Red (0%)
- Yellow (25%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2708, 0.2592, 0.4531 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 10.2708, 0.2592, 0.4531 by changing the saturation by 10% instead.


 10.2708, 0.2592,
0.4531


 10.2708, 0.2592,
0.4531


192.5940, 0.2946,
0.3715


 5.5789, 0.2447,
0.4860

 26.3036, 0.2753,
0.4162


 2.5907, 0.2202,
0.5413


 38.4133, 0.2802,
0.4048

 0.9220, 0.0000,
1.0000

 53.7643, 0.2840,
0.3961

 0.0000, 0.0000,
0.0000


 72.7412, 0.2870,
0.3891


 95.7282, 0.2894,
0.3835


 123.1097, 0.2914,

0.3788

 155.2702, 0.2931,
0.3749


 10.2708, 0.2592,
0.4531


 10.2708, 0.2592,
0.4531


 10.2711, 0.2592,
0.4531

 10.3855, 0.2588,
0.4390

 10.5262, 0.2594,
0.4249

 10.7174, 0.2617,
0.4108

 10.9643, 0.2657,
0.3970

 11.2715, 0.2712,
0.3836

■ 11.6431, 0.2780,
0.3709

■ 12.0829, 0.2858,
0.3591

■ 12.5943, 0.2943,
0.3481

■ 13.1804, 0.3034,
0.3381

Harmonies

Analogous

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



10.2708, 0.3433, 0.4986



10.2708, 0.2592, 0.4531



10.2708, 0.1946, 0.3551

Triad

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



10.2708, 0.2592, 0.4531



10.2708, 0.1973, 0.1951



10.2708, 0.4892, 0.3522

Complementary

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



10.2708, 0.2592, 0.4531



3.0967, 0.5309, 0.2699

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.



10.2708, 0.4399, 0.2906



10.2708, 0.2592, 0.4531



10.2708, 0.2609, 0.2051

Square

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



10.2708, 0.2592, 0.4531



10.2708, 0.1651, 0.2130



10.2708, 0.3504, 0.2389



10.2708, 0.4797, 0.4169

Rectangle

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



10.2708, 0.2592, 0.4531



10.2708, 0.1699, 0.2917



10.2708, 0.3504, 0.2389



10.2708, 0.4791, 0.3310

Sweetspot

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



10.2712, 0.2592, 0.4531



21.1268, 0.2851, 0.3601



10.3851, 0.3278, 0.5779



5.0937, 0.2826, 0.3637



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.



10.2712, 0.2592, 0.4531



17.9967, 0.2602, 0.4568



8.9346, 0.2164, 0.2990



3.1682, 0.3044, 0.3370



12.6543, 0.2596, 0.4546



65.8244, 0.2619, 0.4627

Inverse Universe

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



3.0967, 0.5309, 0.2699



5.4113, 0.5377, 0.2736



3.1692, 0.6263, 0.3409



2.8623, 0.3219, 0.3211



3.8109, 0.5337, 0.2714



19.7155, 0.5482, 0.2794

Previews

White Background



This preview shows how the Yxy color 10.2708, 0.2592, 0.4531 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 10.2708, 0.2592, 0.4531 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 10.2708, 0.2592, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 10.2708, 0.2592, 0.4531.



This preview shows how white text looks on a background with the Yxy color 10.2708, 0.2592, 0.4531.

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

10.2708, 0.2592, 0.4531

Protanopia

10.2145, 0.3761, 0.4062

Deuteranopia

10.1371, 0.3774, 0.3709



Tritanopia

10.3785, 0.2334, 0.3075

Trichromacy



Original Color

10.2708, 0.2592, 0.4531

Protanomaly

9.5348, 0.3108, 0.4299

Deuteranomaly

9.4272, 0.3093, 0.4026

Tritanomaly

10.2569, 0.2412, 0.3575

Monochromacy



Original Color

10.2708, 0.2592, 0.4531

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.8037, 0.2733, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2708, 0.2592, 0.4531 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(0, 104, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 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(0, 104, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 64) }
```

Border

The CSS property to change the border of an element to Yxy 10.2708, 0.2592, 0.4531 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(0, 104, 64) }
```

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

```
.border{ border-color:rgb(0, 104, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2708, 0.2592, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 64) }
```

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

```
.background{ background-color: rgb(0, 104,  
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](#).

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