

Converting Colors

$Y_{xy}(10.0620, 0.2770, 0.4639)$

Have a look what the booklet for
Yxy(10.0620, 0.2770, 0.4639)
contains.

Yxy(10.0694, 0.2772, 0.4636)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0694, 0.2772, 0.4636)

Conversions

Conversions Part 1

Format	Color
Hex	1D663A
RGB	29, 102, 58
RGB Percent	11%, 40%, 23%
CMY	0.8865, 0.6000, 0.7725
CMYK	0.72, 0.00, 0.43, 0.60
HSL	144°, 56%, 26%
HSV	144°, 72%, 40%
XYZ	6.0208, 10.0694, 5.6298
YIQ	75.1570, -29.3840, -29.1600

Conversions

Conversions Part 2

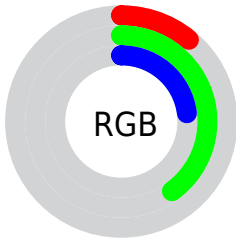
Format	Color
RYB	29, 81, 102
Decimal	1926714
CIELab	37.97, -33.30, 18.54
CIELCh	38, 38.111, 150.896
Yxy	10.0694, 0.2772, 0.4636
Android (android.graphics.Color)	4280116794 (0xFF1D663A)
YUV	75.1570, -8.4584, -40.4797
Hunter-Lab	31.7323, -21.6635, 11.6936

Details

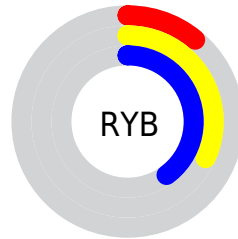
The Yxy color **10.0694, 0.2772, 0.4636** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1818, 0.3949, 0.2320**, and the grayscale version is **7.0833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9908, 0.2885, 0.4231**, and **2.6728, 0.2827, 0.5376** is the 20% darker color. If you saturate the color by 10%, you get **9.8864, 0.2766, 0.4855**, and if you desaturate by 10%, it is **10.3099, 0.2794, 0.4415**.

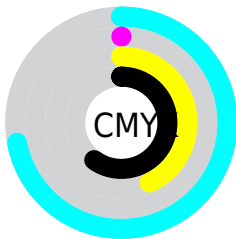
Distribution



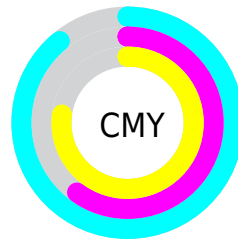
- Red (11%)
- Green (40%)
- Blue (23%)



- Red (11%)
- Yellow (32%)
- Blue (40%)



- Cyan (72%)
- Magenta (0%)
- Yellow (43%)
- Black (60%)





- Cyan (89%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0694, 0.2772, 0.4636 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 10.0694, 0.2772, 0.4636 by changing the saturation by 10% instead.


 10.0694, 0.2772,
0.4636


 10.0694, 0.2772,
0.4636


191.1667, 0.3019,
0.3748


 5.4450, 0.2659,
0.4996

 25.9260, 0.2890,
0.4233


 2.5106, 0.2456,
0.5603


 37.9269, 0.2924,
0.4110

 0.8820, 0.0280,
0.9720

 53.1555, 0.2950,
0.4014

 0.0000, 0.0000,
0.0000

 71.9961, 0.2970,
0.3939

 94.8331, 0.2986,
0.3878

 122.0509, 0.2999,

0.3827

154.0340, 0.3010,
0.3784

10.0694, 0.2772,
0.4636

10.0694, 0.2772,
0.4636

9.8864, 0.2766,
0.4855

10.3099, 0.2794,
0.4415

9.7540, 0.2776,
0.5065

10.6114, 0.2829,
0.4198

9.6609, 0.2787,
0.5234

10.9784, 0.2875,
0.3991

11.4147, 0.2929,
0.3798

11.9238, 0.2989,
0.3619

■ 12.5090, 0.3052,
0.3458

■ 13.1731, 0.3117,
0.3312

■ 13.9193, 0.3181,
0.3182

■ 14.7500, 0.3244,
0.3067

Harmonies

Analogous

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



10.0694, 0.3602, 0.4933



10.0694, 0.2772, 0.4636



10.0694, 0.2085, 0.3752

Triad

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



10.0694, 0.2772, 0.4636



10.0694, 0.1913, 0.1997



10.0694, 0.4786, 0.3394

Complementary

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



10.0694, 0.2772, 0.4636



4.1818, 0.3949, 0.2320

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.



10.0694, 0.4201, 0.2804



10.0694, 0.2772, 0.4636



10.0694, 0.2472, 0.2041

Square

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



10.0694, 0.2772, 0.4636



10.0694, 0.1659, 0.2239



10.0694, 0.3304, 0.2327



10.0694, 0.4815, 0.4025

Rectangle

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



10.0694, 0.2772, 0.4636



10.0694, 0.1795, 0.3109



10.0694, 0.3304, 0.2327



10.0694, 0.4648, 0.3190

Sweetspot

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



10.0698, 0.2772, 0.4636



20.9111, 0.2989, 0.3619



11.0481, 0.3589, 0.5085



4.8914, 0.2978, 0.3651



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.0698, 0.2772, 0.4636



17.1691, 0.2771, 0.5000



10.5632, 0.2423, 0.3528



3.1590, 0.3070, 0.3417



12.3989, 0.2794, 0.5258



64.5041, 0.2823, 0.5363

Inverse Universe

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



4.1818, 0.3949, 0.2320



6.0973, 0.4237, 0.2233



3.8380, 0.5090, 0.3121



2.8715, 0.3189, 0.3167



4.0590, 0.4464, 0.2233



20.9938, 0.4559, 0.2285

Previews

White Background



This preview shows how the Yxy color 10.0694, 0.2772, 0.4636 looks on a white background.

Color Contrast Check

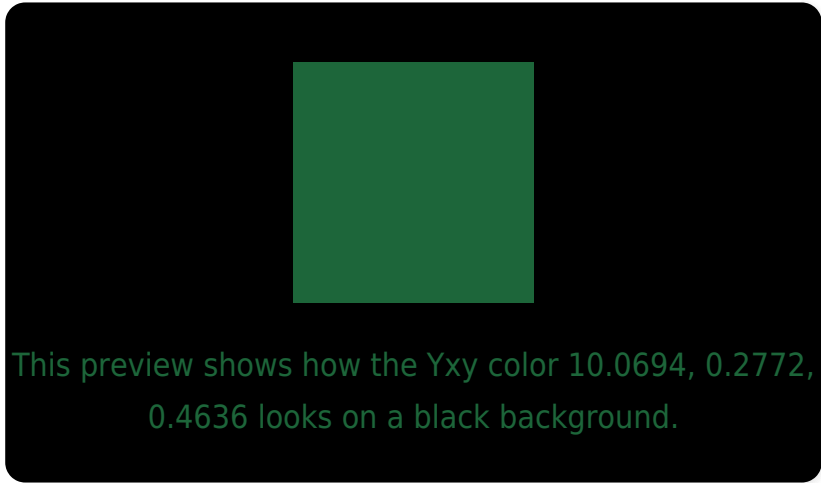
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0694, 0.2772, 0.4636

Background



This preview shows how black text looks on a background with the Yxy color 10.0694, 0.2772, 0.4636.



This preview shows how white text looks on a background with the Yxy color 10.0694, 0.2772, 0.4636.

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

10.0694, 0.2772, 0.4636

Protanopia

9.9432, 0.3827, 0.4161

Deuteranopia

9.9090, 0.3883, 0.3824



Tritanopia

10.1297, 0.2418, 0.3101

Trichromacy



Original Color

10.0694, 0.2772, 0.4636

Protanomaly

9.6590, 0.3330, 0.4368

Deuteranomaly

9.4388, 0.3360, 0.4105

Tritanomaly

10.0629, 0.2547, 0.3632

Monochromacy



Original Color

10.0694, 0.2772, 0.4636

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.8262, 0.2929, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0694, 0.2772, 0.4636 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(29, 102, 58)` looks like.

```
.text, #text, p{  
    color:rgb(29, 102, 58)  
}
```

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(29, 102, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 102, 58) }
```

Border

The CSS property to change the border of an element to Yxy 10.0694, 0.2772, 0.4636 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(29, 102, 58) }
```

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

```
.border{ border-color:rgb(29, 102, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 102, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 102, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 102, 58);  
box-shadow:4px 4px 4px 4px rgb(29, 102,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0694, 0.2772, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 102, 58) }
```

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

```
.background{ background-color: rgb(29, 102,  
58) }
```

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