

Converting Colors

$Y_{xy}(10.5705, 0.2886, 0.6070)$

Have a look what the booklet for
Yxy(10.5705, 0.2886, 0.6070)
contains.

Yxy(10.7273, 0.2997, 0.5989)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7273, 0.2997, 0.5989)

Conversions

Conversions Part 1

Format	Color
Hex	006C01
RGB	0, 108, 1
RGB Percent	0%, 42%, 0%
CMY	1.0000, 0.5765, 0.9961
CMYK	1.00, 0.00, 0.99, 0.58
HSL	121°, 100%, 21%
HSV	121°, 100%, 42%
XYZ	5.3681, 10.7273, 1.8162
YIQ	63.5100, -30.0210, -56.1730

Conversions

Conversions Part 2

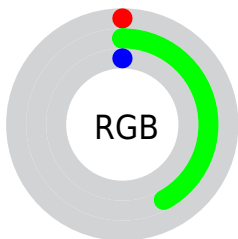
Format	Color
RYB	0, 107, 108
Decimal	27649
CIELab	39.12, -45.74, 43.93
CIELCh	39, 63.417, 136.156
Yxy	10.7273, 0.2997, 0.5989
Android (android.graphics.Color)	4278217729 (0xFF006C01)
YUV	63.5100, -30.8174, -55.6983
Hunter-Lab	32.7526, -28.0609, 19.6390

Details

The Yxy color **10.7273, 0.2997, 0.5989** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2503, 0.3231, 0.1554**, and the grayscale version is **5.1009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3014, 0.3144, 0.5222**, and **3.1279, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.7276, 0.2997, 0.5989**, and if you desaturate by 10%, it is **10.8212, 0.3004, 0.5844**.

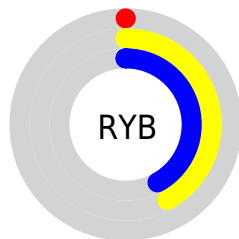
Distribution



Red (0%)

Green (42%)

Blue (0%)



Red (0%)

Yellow (42%)

Blue (42%)

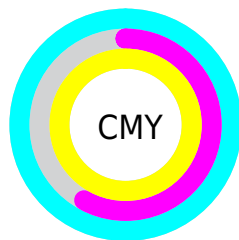


Cyan (100%)

Magenta (0%)

Yellow (99%)

Black (58%)



Cyan (100%)


Magenta (58%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7273, 0.2997, 0.5989 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 10.7273, 0.2997, 0.5989 by changing the saturation by 10% instead.


 10.7273, 0.2997,
0.5989


 10.7273, 0.2997,
0.5989


 195.7870, 0.3198,
0.4225


 5.8838, 0.2835,
0.6668

 27.1548, 0.3141,
0.5219


 2.7745, 0.2441,
0.7559


 39.5075, 0.3168,
0.4970

 1.0152, 0.0000,
1.0000

 55.1321, 0.3183,
0.4776

 0.0000, 0.0000,
0.0000

 74.4130, 0.3192,
0.4621

 97.7345, 0.3196,
0.4494

 125.4811, 0.3198,


0.4389


 158.0371, 0.3198,
0.4300


 10.7273, 0.2997,
0.5989


 10.7273, 0.2997,
0.5989


 10.7276, 0.2997,
0.5989

 10.8212, 0.3004,
0.5844

 10.9512, 0.3012,
0.5653

 11.1496, 0.3023,
0.5395

 11.4241, 0.3037,
0.5088

 11.7812, 0.3053,
0.4756

■ 12.2270, 0.3069,
0.4420

■ 12.7667, 0.3085,
0.4097

■ 13.4054, 0.3101,
0.3798

■ 14.1475, 0.3115,
0.3529

Harmonies

Analogous

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



10.7273, 0.4197, 0.5566



10.7273, 0.2997, 0.5989



10.7273, 0.1901, 0.4920

Triad

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



10.7273, 0.2997, 0.5989



10.7273, 0.1172, 0.1503



10.7273, 0.5428, 0.2879

Complementary

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



10.7273, 0.2997, 0.5989



4.2503, 0.3231, 0.1554

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.



10.7273, 0.4129, 0.2176



10.7273, 0.2997, 0.5989



10.7273, 0.1686, 0.1431

Square

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



10.7273, 0.2997, 0.5989



10.7273, 0.1018, 0.1979



10.7273, 0.2679, 0.1662



10.7273, 0.5785, 0.3659

Rectangle

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



10.7273, 0.2997, 0.5989



10.7273, 0.1387, 0.3681



10.7273, 0.2679, 0.1662



10.7273, 0.5072, 0.2634

Sweetspot

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



10.7277, 0.2997, 0.5989



22.3282, 0.3084, 0.4123



13.9137, 0.4193, 0.5052



5.3281, 0.3079, 0.4224



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.



10.7277, 0.2997, 0.5989



18.8321, 0.2998, 0.5992



10.9920, 0.2702, 0.4926



3.4452, 0.3116, 0.3502



12.7950, 0.2997, 0.5990



65.1888, 0.2999, 0.5996

Inverse Universe

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



4.2503, 0.3231, 0.1554



7.4602, 0.3232, 0.1554



3.4549, 0.4858, 0.2450



3.1634, 0.3138, 0.3086



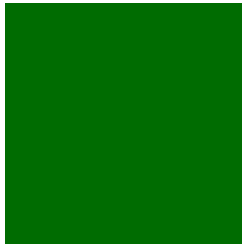
5.0689, 0.3231, 0.1554



25.8208, 0.3233, 0.1554

Previews

White Background



This preview shows how the Yxy color 10.7273, 0.2997, 0.5989 looks on a white background.

Color Contrast Check

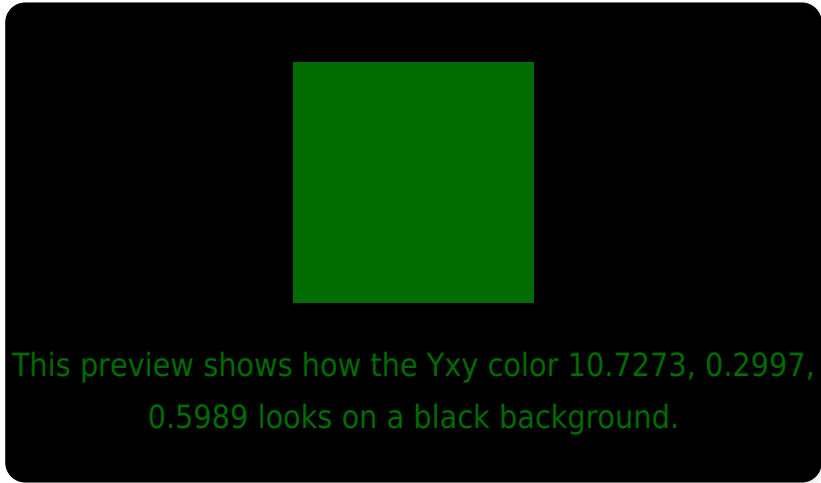
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7273, 0.2997, 0.5989

Background



This preview shows how black text looks on a background with the Yxy color 10.7273, 0.2997, 0.5989.



This preview shows how white text looks on a background with the Yxy color 10.7273, 0.2997, 0.5989.

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

10.7273, 0.2997, 0.5989

Protanopia

10.5973, 0.4399, 0.4889

Deuteranopia

10.7543, 0.4535, 0.4497



Tritanopia

10.7764, 0.2381, 0.3054

Trichromacy



Original Color

10.7273, 0.2997, 0.5989

Protanomaly

9.8936, 0.3661, 0.5475

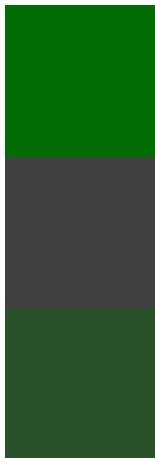
Deuteranomaly

9.6748, 0.3759, 0.5194

Tritanomaly

10.4039, 0.2656, 0.4276

Monochromacy



Original Color

10.7273, 0.2997, 0.5989

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

6.3688, 0.3063, 0.4663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7273, 0.2997, 0.5989 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, 108, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 1)  
}
```

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, 108, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 1) }
```

Border

The CSS property to change the border of an element to Yxy 10.7273, 0.2997, 0.5989 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, 108, 1) }
```

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

```
.border{ border-color:rgb(0, 108, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 108, 1); box-shadow:4px  
4px 4px 4px rgb(0, 108, 1) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7273, 0.2997, 0.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 1) }
```

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

```
.background{ background-color: rgb(0, 108,  
1) }
```

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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