

Converting Colors

$Y_{xy}(10.4628, 0.3076, 0.5653)$

Have a look what the booklet for
Yxy(10.4628, 0.3076, 0.5653)
contains.

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Color

Yxy(10.3970, 0.3075, 0.5660)

Conversions

Conversions Part 1

Format	Color
Hex	1C6913
RGB	28, 105, 19
RGB Percent	11%, 41%, 7%
CMY	0.8900, 0.5882, 0.9256
CMYK	0.73, 0.00, 0.82, 0.59
HSL	114°, 69%, 24%
HSV	114°, 82%, 41%
XYZ	5.6485, 10.3970, 2.3237
YIQ	72.1730, -18.2860, -43.0700

Conversions

Conversions Part 2

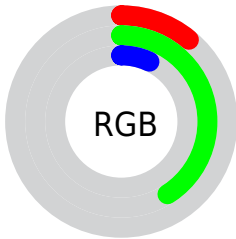
Format	Color
RYB	19, 105, 96
Decimal	1861907
CIELab	38.55, -39.99, 38.57
CIELCh	39, 55.559, 136.037
Yxy	10.3970, 0.3075, 0.5660
Android (android.graphics.Color)	4280051987 (0xFF1C6913)
YUV	72.1730, -26.2143, -38.7397
Hunter-Lab	32.2444, -25.1582, 18.2983

Details

The Yxy color **10.3970, 0.3075, 0.5660** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.9677, 0.3004, 0.1568**, and the grayscale version is **6.5617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4749, 0.3172, 0.4976**, and **2.8283, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.2566, 0.3053, 0.5842**, and if you desaturate by 10%, it is **10.5955, 0.3095, 0.5414**.

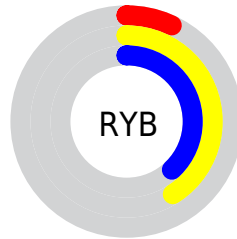
Distribution



Red (11%)

Green (41%)

Blue (7%)



Red (7%)

Yellow (41%)

Blue (38%)

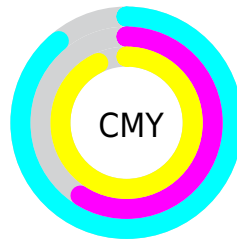


Cyan (73%)

Magenta (0%)

Yellow (82%)

Black (59%)



Cyan (89%)


Magenta (59%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3970, 0.3075, 0.5660 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 10.3970, 0.3075, 0.5660 by changing the saturation by 10% instead.


 10.3970, 0.3075,
0.5660


 10.3970, 0.3075,
0.5660


193.4825, 0.3197,
0.4104


 5.6630, 0.2942,
0.6238

 26.5396, 0.3172,
0.4972


 2.6412, 0.2711,
0.7289


 38.7169, 0.3188,
0.4754

 0.9474, 0.0000,
1.0000

 54.1442, 0.3196,
0.4584


 0.0000, 0.0000,
0.0000


 73.2057, 0.3199,
0.4448


 96.2859, 0.3200,
0.4338


 123.7692, 0.3200,


0.4247


 156.0399, 0.3199,
0.4170

 10.3970, 0.3075,
0.5660


 10.3970, 0.3075,
0.5660


 10.2566, 0.3053,
0.5842


 10.5955, 0.3095,
0.5414

 10.1747, 0.3043,
0.5966

 10.8563, 0.3111,
0.5119

 11.1845, 0.3123,
0.4798

 11.5845, 0.3131,
0.4470

 12.0601, 0.3134,
0.4151

■ 12.6151, 0.3134,
0.3852

■ 13.2527, 0.3132,
0.3579

■ 13.9762, 0.3128,
0.3334

■ 14.7887, 0.3123,
0.3117

Harmonies

Analogous

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



10.3970, 0.4164, 0.5365



10.3970, 0.3075, 0.5660



10.3970, 0.2051, 0.4714

Triad

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



10.3970, 0.3075, 0.5660



10.3970, 0.1320, 0.1656



10.3970, 0.5174, 0.2946

Complementary

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



10.3970, 0.3075, 0.5660



3.9677, 0.3004, 0.1568

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.



10.3970, 0.4022, 0.2278



10.3970, 0.3075, 0.5660



10.3970, 0.1811, 0.1576

Square

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



10.3970, 0.3075, 0.5660



10.3970, 0.1180, 0.2124



10.3970, 0.2731, 0.1794



10.3970, 0.5540, 0.3696

Rectangle

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



10.3970, 0.3075, 0.5660



10.3970, 0.1559, 0.3663



10.3970, 0.2731, 0.1794



10.3970, 0.4854, 0.2711

Sweetspot

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



10.3974, 0.3075, 0.5660



22.1956, 0.3135, 0.3962



11.2279, 0.4267, 0.4775



5.1404, 0.3135, 0.4038



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.



10.3974, 0.3075, 0.5660



18.2160, 0.3035, 0.5950



10.4887, 0.2777, 0.4906



3.4587, 0.3131, 0.3504



12.8734, 0.3039, 0.5969



65.4009, 0.3020, 0.5984

Inverse Universe

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



3.9677, 0.3004, 0.1568



6.1321, 0.2957, 0.1413



3.9361, 0.4089, 0.2227



3.1485, 0.3122, 0.3084



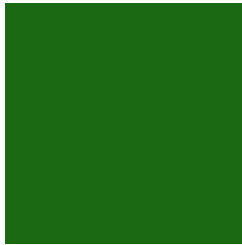
4.2907, 0.2955, 0.1402



21.6396, 0.2940, 0.1393

Previews

White Background



This preview shows how the Yxy color 10.3970, 0.3075, 0.5660 looks on a white background.

Color Contrast Check

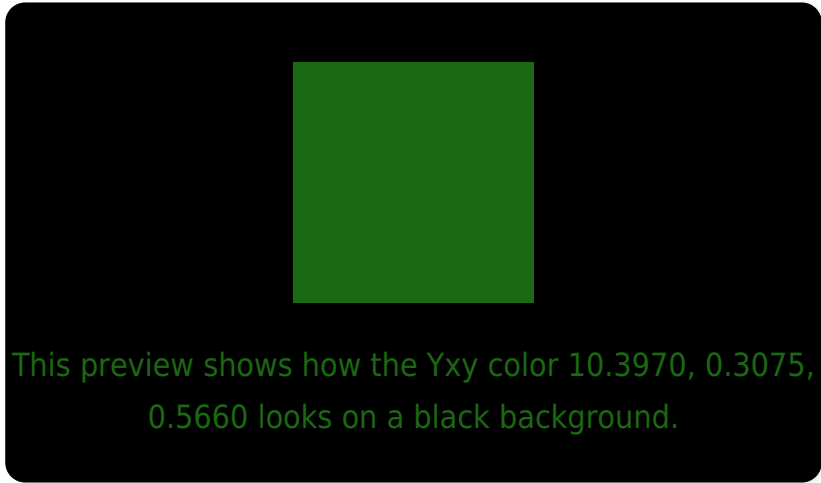
Large Text (above 18pt) WCAG AA ✓ Pass

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

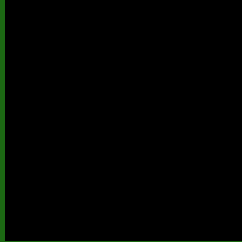
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3970, 0.3075, 0.5660

Background



This preview shows how black text looks on a background with the Yxy color 10.3970, 0.3075, 0.5660.



This preview shows how white text looks on a background with the Yxy color 10.3970, 0.3075, 0.5660.

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

10.3970, 0.3075, 0.5660

Protanopia

10.3414, 0.4308, 0.4786

Deuteranopia

10.2550, 0.4463, 0.4418



Tritanopia

10.4798, 0.2449, 0.3079

Trichromacy



Original Color

10.3970, 0.3075, 0.5660

Protanomaly

9.8990, 0.3758, 0.5183

Deuteranomaly

9.6927, 0.3851, 0.4932

Tritanomaly

10.3154, 0.2721, 0.4076

Monochromacy



Original Color

10.3970, 0.3075, 0.5660

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4384, 0.3129, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3970, 0.3075, 0.5660 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(28, 105, 19)` looks like.

```
.text, #text, p{  
    color:rgb(28, 105, 19)  
}
```

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(28, 105, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 105, 19) }
```

Border

The CSS property to change the border of an element to Yxy 10.3970, 0.3075, 0.5660 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(28, 105, 19) }
```

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

```
.border{ border-color:rgb(28, 105, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 105, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 105, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 105, 19);  
box-shadow:4px 4px 4px 4px rgb(28, 105,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3970, 0.3075, 0.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 105, 19) }
```

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

```
.background{ background-color: rgb(28, 105,  
19) }
```

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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