

Converting Colors

$Y_{xy}(10.5582, 0.2929, 0.3071)$

Have a look what the booklet for
Yxy(10.5582, 0.2929, 0.3071)
contains.

Yxy(10.6201, 0.2925, 0.3073)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6201, 0.2925, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	575C65
RGB	87, 92, 101
RGB Percent	34%, 36%, 40%
CMY	0.6587, 0.6392, 0.6039
CMYK	0.14, 0.09, 0.00, 0.60
HSL	219°, 7%, 37%
HSV	219°, 14%, 40%
XYZ	10.1086, 10.6201, 13.8307
YIQ	91.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

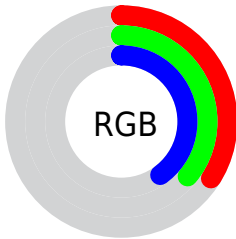
Format	Color
R_{YB}	87, 91, 101
Decimal	5725285
CIE Lab	38.93, 0.11, -5.82
CIE LCh	39, 5.825, 271.117
Yxy	10.6201, 0.2925, 0.3073
Android (android.graphics.Color)	4283915365 (0xFF575C65)
YUV	91.5310, 4.6682, -3.9737
Hunter-Lab	32.5885, -1.6610, -2.3509

Details

The Yxy color **10.6201, 0.2925, 0.3073** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8286, 0.3334, 0.3498**, and the grayscale version is **10.5805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9314, 0.2979, 0.3126**, and **2.7126, 0.2828, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **9.0877, 0.2769, 0.2895**, and if you desaturate by 10%, it is **12.3185, 0.3073, 0.3233**.

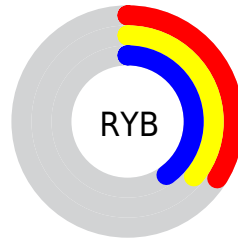
Distribution



Red (34%)

Green (36%)

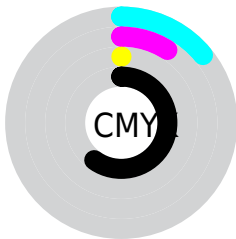
Blue (40%)



Red (34%)

Yellow (36%)

Blue (40%)

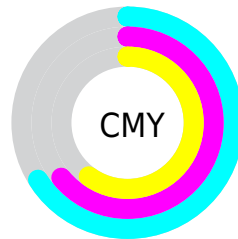


Cyan (14%)

Magenta (9%)

Yellow (0%)

Black (60%)



Cyan (66%)

Magenta (64%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.6201, 0.2925, 0.3073 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 10.6201, 0.2925, 0.3073 by changing the saturation by 10% instead.

■ 10.6201, 0.2925,
0.3073

■ 10.6201, 0.2925,
0.3073

■ 195.0423, 0.3050,
0.3207

■ 5.8120, 0.2881,
0.3025

■ 26.9555, 0.2979,
0.3131

■ 2.7311, 0.2811,
0.2951

■ 39.2516, 0.2996,
0.3149

■ 0.9930, 0.2688,
0.2819

■ 54.8124, 0.3010,
0.3164

■ 0.0000, 0.0000,
0.0000

■ 74.0225, 0.3021,
0.3176

■ 97.2661, 0.3030,
0.3186

124.9277, 0.3038,

0.3194

157.3916, 0.3045,
0.3201

■ 10.6201, 0.2925,
0.3073

■ 10.6201, 0.2925,
0.3073

■ 9.0877, 0.2769,
0.2895

■ 12.3185, 0.3073,
0.3233

■ 7.7146, 0.2606,
0.2700

■ 14.1864, 0.3211,
0.3376

■ 6.4958, 0.2440,
0.2489

■ 16.2292, 0.3339,
0.3503

■ 5.4254, 0.2275,
0.2265

■ 18.4514, 0.3458,
0.3615

■ 4.4972, 0.2117,
0.2034

■ 20.8573, 0.3566,
0.3713

■ 3.7042, 0.1971,
0.1800

■ 23.4512, 0.3665,
0.3800

■ 3.0391, 0.1844,
0.1574

■ 26.2373, 0.3756,
0.3876

■ 2.4907, 0.1739,
0.1361

■ 29.2194, 0.3838,
0.3942

■ 2.1948, 0.1677,
0.1236

■ 32.4014, 0.3913,
0.4000

Harmonies

Analogous

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



10.6201, 0.2873, 0.3133



10.6201, 0.2925, 0.3073



10.6201, 0.3031, 0.3070

Triad

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



10.6201, 0.2925, 0.3073



10.6201, 0.3373, 0.3333



10.6201, 0.3086, 0.3466

Complementary

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



10.6201, 0.2925, 0.3073



11.8286, 0.3334, 0.3498

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.



10.6201, 0.3220, 0.3521



10.6201, 0.2925, 0.3073



10.6201, 0.3388, 0.3440

Square

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



10.6201, 0.2925, 0.3073



10.6201, 0.3290, 0.3218



10.6201, 0.3331, 0.3510



10.6201, 0.2965, 0.3362

Rectangle

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



10.6201, 0.2925, 0.3073



10.6201, 0.3119, 0.3100



10.6201, 0.3331, 0.3510



10.6201, 0.3131, 0.3491

Sweetspot

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



10.6205, 0.2925, 0.3073



21.0620, 0.3069, 0.3229



12.1786, 0.2996, 0.3412



5.1384, 0.3061, 0.3220



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.



10.6205, 0.2925, 0.3073



17.2416, 0.2869, 0.3010



9.8789, 0.2951, 0.2953



2.9080, 0.2999, 0.3154



2.8023, 0.1670, 0.1211



13.0936, 0.1641, 0.1108

Inverse Universe

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



10.3604, 0.3282, 0.3175



16.7188, 0.3330, 0.3144



12.6580, 0.3291, 0.3611



2.8610, 0.3223, 0.3217



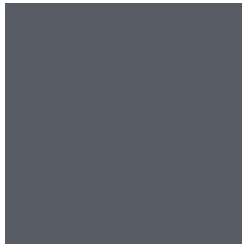
3.7864, 0.5451, 0.2777



19.5946, 0.5599, 0.2858

Previews

White Background



This preview shows how the Yxy color 10.6201, 0.2925, 0.3073 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 10.6201, 0.2925, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

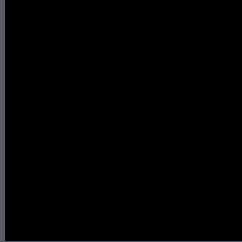
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

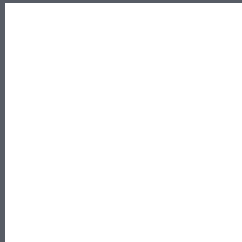
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6201, 0.2925, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 10.6201, 0.2925, 0.3073.

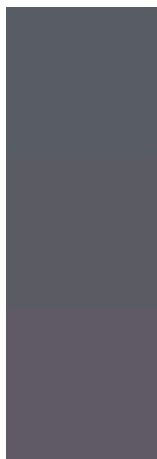


This preview shows how white text looks on a background with the Yxy color 10.6201, 0.2925, 0.3073.

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

10.6201, 0.2925, 0.3073

Protanopia

10.6264, 0.2998, 0.3076

Deuteranopia

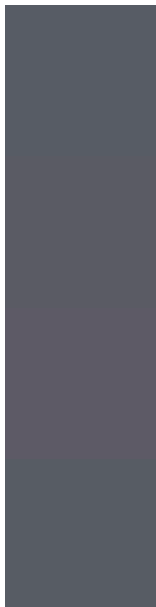
10.5909, 0.3047, 0.2989



Tritanopia

10.6006, 0.2938, 0.3097

Trichromacy



Original Color

10.6201, 0.2925, 0.3073

Protanomaly

10.5759, 0.2983, 0.3075

Deuteranomaly

10.5988, 0.3000, 0.3009

Tritanomaly

10.6006, 0.2938, 0.3097

Monochromacy



Original Color

10.6201, 0.2925, 0.3073

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.6542, 0.3053, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6201, 0.2925, 0.3073 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(87, 92, 101)` looks like.

```
.text, #text, p{  
    color:rgb(87, 92, 101)  
}
```

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(87, 92, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 92, 101) }
```

Border

The CSS property to change the border of an element to Yxy 10.6201, 0.2925, 0.3073 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(87, 92, 101) }
```

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

```
.border{ border-color:rgb(87, 92, 101) }
```

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

Here you see how a box with a 4 pixel rgb(87, 92, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 92, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 92, 101);  
box-shadow:4px 4px 4px 4px rgb(87, 92,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6201, 0.2925, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 92, 101) }
```

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

```
.background{ background-color: rgb(87, 92,  
101) }
```

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