

Converting Colors

$Y_{xy}(10.2106, 0.3141, 0.2898)$

Have a look what the booklet for
Yxy(10.2106, 0.3141, 0.2898)
contains.

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Color

Yxy(10.2811, 0.3145, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	665566
RGB	102, 85, 102
RGB Percent	40%, 33%, 40%
CMY	0.6000, 0.6667, 0.6000
CMYK	0.00, 0.17, 0.00, 0.60
HSL	300°, 9%, 37%
HSV	300°, 17%, 40%
XYZ	11.1267, 10.2811, 13.9711
YIQ	92.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

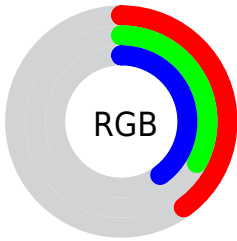
Format	Color
R _Y B	102, 85, 102
Decimal	6706534
CIE Lab	38.34, 10.36, -7.18
CIE LCh	38, 12.606, 325.267
Yxy	10.2811, 0.3145, 0.2906
Android (android.graphics.Color)	4284896614 (0xFF665566)
YUV	92.0210, 4.9196, 8.7516
Hunter-Lab	32.0642, 5.8294, -3.3892

Details

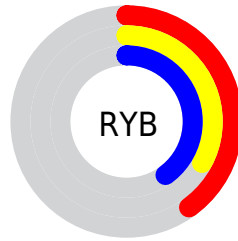
The Yxy color **10.2811, 0.3145, 0.2906** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0927, 0.3108, 0.3706**, and the grayscale version is **10.6956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4002, 0.3140, 0.3009**, and **2.6056, 0.3154, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **8.7891, 0.3156, 0.2672**, and if you desaturate by 10%, it is **12.0057, 0.3134, 0.3138**.

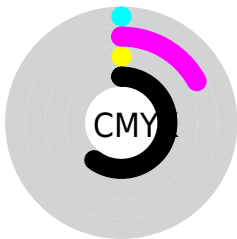
Distribution



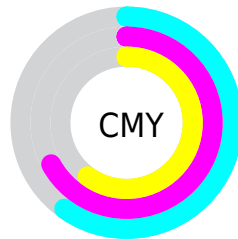
- Red (40%)
- Green (33%)
- Blue (40%)



- Red (40%)
- Yellow (33%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (60%)





- Cyan (60%)
- Magenta (67%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2811, 0.3145, 0.2906 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 10.2811, 0.3145, 0.2906 by changing the saturation by 10% instead.


 10.2811, 0.3145,
0.2906


 10.2811, 0.3145,
0.2906


192.6667, 0.3136,
0.3140


 5.5857, 0.3147,
0.2826


 26.3229, 0.3142,
0.3005

 2.5949, 0.3147,
0.2703

 38.4381, 0.3141,
0.3037

 0.9241, 0.3144,
0.2494

 53.7954, 0.3140,
0.3063

 0.0000, 0.2061,
0.0000

 72.7792, 0.3139,
0.3084

 0.0000, 0.0000,
0.0000

 95.7738, 0.3138,
0.3102

123.1636, 0.3137,

0.3117

155.3332, 0.3137,
0.3129

■ 10.2811, 0.3145,
0.2906

■ 10.2811, 0.3145,
0.2906

■ 8.7891, 0.3156,
0.2672

■ 12.0057, 0.3134,
0.3138

■ 7.5183, 0.3166,
0.2443

■ 13.9706, 0.3124,
0.3364

■ 6.4587, 0.3176,
0.2227

■ 16.1853, 0.3114,
0.3579

■ 5.5989, 0.3185,
0.2031

■ 18.6579, 0.3104,
0.3781

■ 4.9263, 0.3193,
0.1862

■ 21.3965, 0.3096,
0.3969

■ 4.4269, 0.3199,
0.1728

■ 24.4086, 0.3087,
0.4142

■ 4.0850, 0.3204,
0.1631

■ 27.7014, 0.3080,
0.4300

■ 3.8550, 0.3207,
0.1563

■ 31.2822, 0.3073,
0.4444

■ 3.7812, 0.3208,
0.1541

■ 35.1575, 0.3067,
0.4575

Harmonies

Analogous

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



10.2811, 0.2863, 0.2814



10.2811, 0.3145, 0.2906



10.2811, 0.3434, 0.3089

Triad

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



10.2811, 0.3145, 0.2906



10.2811, 0.3607, 0.3745



10.2811, 0.2635, 0.3220

Complementary

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



10.2811, 0.3145, 0.2906



12.0927, 0.3108, 0.3706

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.



10.2811, 0.2818, 0.3498



10.2811, 0.3145, 0.2906



10.2811, 0.3378, 0.3811

Square

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



10.2811, 0.3145, 0.2906



10.2811, 0.3708, 0.3563



10.2811, 0.3088, 0.3722



10.2811, 0.2579, 0.2979

Rectangle

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



10.2811, 0.3145, 0.2906



10.2811, 0.3588, 0.3243



10.2811, 0.3088, 0.3722



10.2811, 0.2683, 0.3313

Sweetspot

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



10.2815, 0.3145, 0.2906



21.5502, 0.3133, 0.3174



9.4328, 0.2875, 0.2881



5.0459, 0.3133, 0.3162



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.



10.2815, 0.3145, 0.2906



16.9597, 0.3149, 0.2815



10.1270, 0.3275, 0.3088



2.8889, 0.3137, 0.3087



4.8551, 0.3208, 0.1541



25.3203, 0.3208, 0.1541

Inverse Universe

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



9.9787, 0.3420, 0.3291



16.3212, 0.3504, 0.3291



12.2305, 0.3002, 0.3501



2.8465, 0.3271, 0.3290



3.6281, 0.6400, 0.3299



18.9218, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 10.2811, 0.3145, 0.2906 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 10.2811, 0.3145, 0.2906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

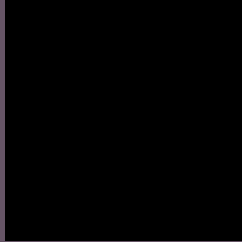
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2811, 0.3145, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 10.2811, 0.3145, 0.2906.



This preview shows how white text looks on a background with the Yxy color 10.2811, 0.3145, 0.2906.

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

10.2811, 0.3145, 0.2906

Protanopia

10.4070, 0.2884, 0.2934

Deuteranopia

10.2987, 0.3030, 0.2985



Tritanopia

10.3734, 0.3266, 0.3151

Trichromacy



Original Color

10.2811, 0.3145, 0.2906

Protanomaly

10.3061, 0.2972, 0.2916

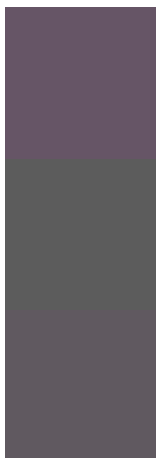
Deuteranomaly

10.2974, 0.3078, 0.2966

Tritanomaly

10.2668, 0.3221, 0.3060

Monochromacy



Original Color

10.2811, 0.3145, 0.2906

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4761, 0.3135, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2811, 0.3145, 0.2906 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(102, 85, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 85, 102)  
}
```

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(102, 85, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 85, 102) }
```

Border

The CSS property to change the border of an element to Yxy 10.2811, 0.3145, 0.2906 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(102, 85, 102) }
```

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

```
.border{ border-color:rgb(102, 85, 102) }
```

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

Here you see how a box with a 4 pixel rgb(102, 85, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 85, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 85, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 85,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2811, 0.3145, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 85, 102) }
```

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

```
.background{ background-color: rgb(102, 85,  
102) }
```

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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