

Converting Colors

$Y_{xy}(25.7453, 0.2803, 0.3679)$

Have a look what the booklet for
Yxy(25.7453, 0.2803, 0.3679)
contains.

Yxy(25.8845, 0.2801, 0.3682)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.8845, 0.2801, 0.3682)$

Conversions

Conversions Part 1

Format	Color
Hex	609681
RGB	96, 150, 129
RGB Percent	38%, 59%, 51%
CMY	0.6236, 0.4117, 0.4941
CMYK	0.36, 0.00, 0.14, 0.41
HSL	157°, 22%, 48%
HSV	157°, 36%, 59%
XYZ	19.6911, 25.8845, 24.7245
YIQ	131.4600, -25.4430, -17.9790

Conversions

Conversions Part 2

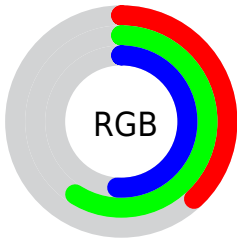
Format	Color
R_{YB}	96, 130, 150
Decimal	6329985
CIE _{Lab}	57.93, -22.80, 5.44
CIE _{LCh}	58, 23.437, 166.568
Y _{xy}	25.8845, 0.2801, 0.3682
Android (android.graphics.Color)	4284520065 (0xFF609681)
YUV	131.4600, -1.2128, -31.0984
Hunter-Lab	50.8768, -19.9488, 6.8007

Details

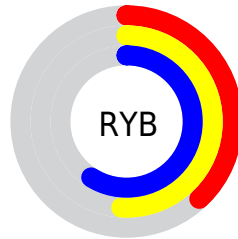
The Yxy color **25.8845, 0.2801, 0.3682** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.1322, 0.3632, 0.2933**, and the grayscale version is **22.8806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8590, 0.2867, 0.3588**, and **10.0837, 0.2677, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **24.9974, 0.2728, 0.3813**, and if you desaturate by 10%, it is **26.9378, 0.2884, 0.3560**.

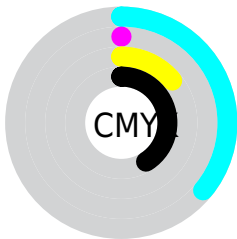
Distribution



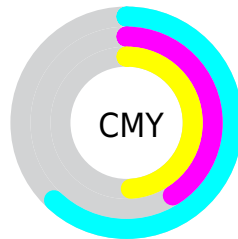
- Red (38%)
- Green (59%)
- Blue (51%)



- Red (38%)
- Yellow (51%)
- Blue (59%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (41%)




- Cyan (62%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8845, 0.2801, 0.3682 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 25.8845, 0.2801, 0.3682 by changing the saturation by 10% instead.

 25.8845, 0.2801,
0.3682


 25.8845, 0.2801,
0.3682


282.2146, 0.2982,
0.3462


 16.7373, 0.2749,
0.3747


 53.0886, 0.2872,
0.3595

 10.0473, 0.2676,
0.3837


 71.9142, 0.2897,
0.3565

 5.4304, 0.2570,
0.3972

 94.7347, 0.2917,
0.3540

 2.5019, 0.2398,
0.4195

 121.9345, 0.2935,
0.3519

 0.8776, 0.1605,
0.5072

153.8980, 0.2949,
0.3502

 0.0000, 0.0000,
0.0000

191.0096, 0.2962,

0.3486

233.6537, 0.2973,
0.3473

■ 25.8845, 0.2801,
0.3682

■ 25.8845, 0.2801,
0.3682

■ 24.9974, 0.2728,
0.3813

■ 26.9378, 0.2884,
0.3560

■ 24.2644, 0.2668,
0.3952

■ 28.1625, 0.2974,
0.3448

■ 23.6766, 0.2624,
0.4097

■ 29.5672, 0.3069,
0.3346


■ 23.2229, 0.2599,
0.4244


■ 31.1594, 0.3166,
0.3255


■ 22.8905, 0.2592,
0.4392

■ 32.9459, 0.3264,
0.3173

 22.6612, 0.2604,
0.4538

 34.9330, 0.3360,
0.3101

 22.5814, 0.2610,
0.4596

 37.1271, 0.3455,
0.3037

 39.5340, 0.3546,
0.2981

 42.1594, 0.3634,
0.2932

Harmonies

Analogous

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



25.8845, 0.3184, 0.3949



25.8845, 0.2801, 0.3682



25.8845, 0.2517, 0.3298

Triad

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



25.8845, 0.2801, 0.3682



25.8845, 0.2674, 0.2643



25.8845, 0.3921, 0.3558

Complementary

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



25.8845, 0.2801, 0.3682



16.1322, 0.3632, 0.2933

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.



25.8845, 0.3771, 0.3234



25.8845, 0.2801, 0.3682



25.8845, 0.3030, 0.2727

Square

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



25.8845, 0.2801, 0.3682



25.8845, 0.2448, 0.2713



25.8845, 0.3436, 0.2938



25.8845, 0.3842, 0.3842

Rectangle

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



25.8845, 0.2801, 0.3682



25.8845, 0.2415, 0.3050



25.8845, 0.3436, 0.2938



25.8845, 0.3896, 0.3451

Sweetspot

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



25.8856, 0.2801, 0.3682



50.8442, 0.3019, 0.3398



26.4822, 0.3295, 0.4270



11.2025, 0.3008, 0.3410



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.8856, 0.2801, 0.3682



44.4264, 0.2743, 0.3784



24.8183, 0.2622, 0.3191



6.5244, 0.3038, 0.3377



18.7332, 0.2607, 0.4585



0.2351, 0.2428, 0.3940

Inverse Universe

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



16.1322, 0.3632, 0.2933



24.6752, 0.3792, 0.2855



16.7118, 0.3926, 0.3386



5.8505, 0.3225, 0.3204



5.6400, 0.5364, 0.2729



0.0745, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 25.8845, 0.2801, 0.3682 looks on a white 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

Black Background



This preview shows how the Yxy color 25.8845, 0.2801, 0.3682 looks on a black 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

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

Yxy 25.8845, 0.2801, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 25.8845, 0.2801, 0.3682.



This preview shows how white text looks on a background with the Yxy color 25.8845, 0.2801, 0.3682.

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

25.8845, 0.2801, 0.3682

Protanopia

25.6268, 0.3363, 0.3541

Deuteranopia

25.5862, 0.3379, 0.3323



Tritanopia

25.9100, 0.2620, 0.3079

Trichromacy



Original Color

25.8845, 0.2801, 0.3682

Protanomaly

25.3387, 0.3134, 0.3589

Deuteranomaly

25.3814, 0.3142, 0.3445

Tritanomaly

25.6833, 0.2683, 0.3289

Monochromacy



Original Color

25.8845, 0.2801, 0.3682

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.6402, 0.2991, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8845, 0.2801, 0.3682 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(96, 150, 129)` looks like.

```
.text, #text, p{  
    color:rgb(96, 150, 129)  
}
```

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(96, 150, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 150, 129) }
```

Border

The CSS property to change the border of an element to Yxy 25.8845, 0.2801, 0.3682 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(96, 150, 129) }
```

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

```
.border{ border-color:rgb(96, 150, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 150, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 150, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 150, 129);  
box-shadow:4px 4px 4px 4px rgb(96, 150,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8845, 0.2801, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 150, 129) }
```

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

```
.background{ background-color: rgb(96, 150,  
129) }
```

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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