

Converting Colors

$Y_{xy}(25.3681, 0.2137, 0.2676)$

Have a look what the booklet for
Yxy(25.3681, 0.2137, 0.2676)
contains.

Yxy(25.4067, 0.2137, 0.2678)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.4067, 0.2137, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	2895B8
RGB	40, 149, 184
RGB Percent	16%, 58%, 72%
CMY	0.8433, 0.4157, 0.2784
CMYK	0.78, 0.19, 0.00, 0.28
HSL	195°, 64%, 44%
HSV	195°, 78%, 72%
XYZ	20.2741, 25.4067, 49.1911
YIQ	120.3990, -76.1990, -12.2230

Conversions

Conversions Part 2

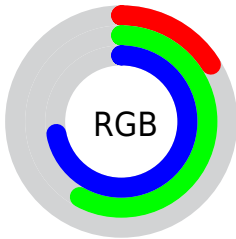
Format	Color
R_{YB}	40, 102, 184
Decimal	2659768
CIE _{Lab}	57.47, -17.93, -26.79
CIE _{LCh}	57, 32.239, 236.206
Yxy	25.4067, 0.2137, 0.2678
Android (android.graphics.Color)	4280849848 (0xFF2895B8)
YUV	120.3990, 31.3553, -70.5099
Hunter-Lab	50.4051, -16.4119, -22.5785

Details

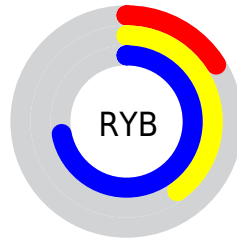
The Yxy color **25.4067, 0.2137, 0.2678** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.3743, 0.5420, 0.3676**, and the grayscale version is **18.8301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1913, 0.2330, 0.2811**, and **10.3741, 0.2022, 0.2478** is the 20% darker color. If you saturate the color by 10%, you get **23.7346, 0.2075, 0.2588**, and if you desaturate by 10%, it is **27.3104, 0.2218, 0.2768**.

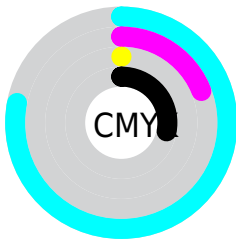
Distribution



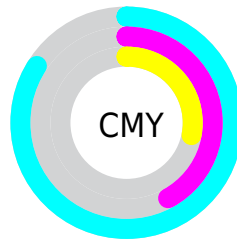
- Red (16%)
- Green (58%)
- Blue (72%)



- Red (16%)
- Yellow (40%)
- Blue (72%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)
- Black (28%)





- Cyan (84%)
- Magenta (42%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4067, 0.2137, 0.2678 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 25.4067, 0.2137, 0.2678 by changing the saturation by 10% instead.


 25.4067, 0.2137,
0.2678


 25.4067, 0.2137,
0.2678


279.8573, 0.2658,
0.3022

 16.3803, 0.2001,
0.2580


 52.3162, 0.2331,
0.2812

 9.7937, 0.1824,
0.2447


 70.9682, 0.2403,
0.2859

 5.2624, 0.1588,
0.2259

 93.5975, 0.2463,
0.2899

 2.4020, 0.1262,
0.1978

 120.5884, 0.2514,
0.2931

 0.8269, 0.0655,
0.1556

 152.3255, 0.2558,
0.2959

 0.0000, 0.0000,
0.0000

189.1931, 0.2596,

0.2983

231.5756, 0.2629,
0.3004

■ 25.4067, 0.2137,
0.2678

■ 25.4067, 0.2137,
0.2678

■ 23.7346, 0.2075,
0.2588

■ 27.3104, 0.2218,
0.2768

■ 22.2548, 0.2031,
0.2500

■ 29.4655, 0.2318,
0.2856

■ 22.0106, 0.2024,
0.2484

■ 31.8925, 0.2434,
0.2942

■ 34.6085, 0.2564,
0.3024

■ 37.6290, 0.2703,
0.3102

■ 40.9684, 0.2850,
0.3174

■ 44.6399, 0.3001,
0.3240

■ 48.6561, 0.3153,
0.3300

■ 53.0286, 0.3304,
0.3354

Harmonies

Analogous

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



25.4067, 0.2220, 0.3113



25.4067, 0.2137, 0.2678



25.4067, 0.2284, 0.2452

Triad

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



25.4067, 0.2137, 0.2678



25.4067, 0.3720, 0.2928



25.4067, 0.3556, 0.4295

Complementary

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



25.4067, 0.2137, 0.2678



15.3743, 0.5420, 0.3676

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.



25.4067, 0.4004, 0.4129



25.4067, 0.2137, 0.2678



25.4067, 0.4122, 0.3337

Square

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



25.4067, 0.2137, 0.2678



25.4067, 0.3164, 0.2609



25.4067, 0.4223, 0.3766



25.4067, 0.3015, 0.4136

Rectangle

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



25.4067, 0.2137, 0.2678



25.4067, 0.2502, 0.2420



25.4067, 0.4223, 0.3766



25.4067, 0.3723, 0.4271

Sweetspot

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



25.4076, 0.2137, 0.2678



71.0902, 0.2775, 0.3138



35.2267, 0.2886, 0.5285



14.8656, 0.2722, 0.3111



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



25.4076, 0.2137, 0.2678



41.0406, 0.2042, 0.2524



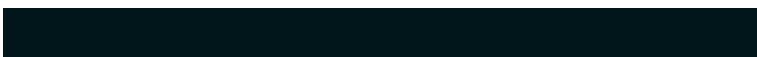
9.4144, 0.1800, 0.1380



9.8308, 0.2985, 0.3233



15.2814, 0.2027, 0.2495



0.6290, 0.2090, 0.2724

Inverse Universe

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



13.8775, 0.3730, 0.1995



22.2973, 0.3896, 0.1941



30.7806, 0.4500, 0.4560



9.1244, 0.3174, 0.3119



8.3250, 0.3927, 0.1937



0.3026, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 25.4067, 0.2137, 0.2678 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 25.4067, 0.2137, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

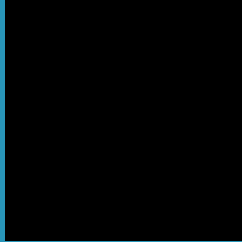
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4067, 0.2137, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 25.4067, 0.2137, 0.2678.

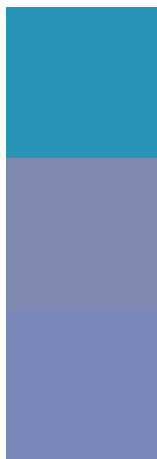


This preview shows how white text looks on a background with the Yxy color 25.4067, 0.2137, 0.2678.

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

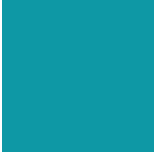
25.4067, 0.2137, 0.2678

Protanopia

25.1763, 0.2682, 0.2680

Deuteranopia

25.0534, 0.2535, 0.2475



Tritanopia

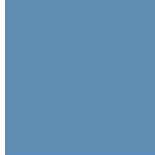
25.2664, 0.2193, 0.3045

Trichromacy



Original Color

25.4067, 0.2137, 0.2678



Protanomaly

24.6970, 0.2404, 0.2664



Deuteranomaly

24.5766, 0.2330, 0.2528



Tritanomaly

25.2939, 0.2167, 0.2905

Monochromacy



Original Color

25.4067, 0.2137, 0.2678



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

20.4399, 0.2601, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4067, 0.2137, 0.2678 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(40, 149, 184)` looks like.

```
.text, #text, p{  
  color:rgb(40, 149, 184)  
}
```

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(40, 149, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 149, 184) }
```

Border

The CSS property to change the border of an element to Yxy 25.4067, 0.2137, 0.2678 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(40, 149, 184) }
```

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

```
.border{ border-color:rgb(40, 149, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 149, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 149, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 149, 184);  
box-shadow:4px 4px 4px 4px rgb(40, 149,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4067, 0.2137, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 149, 184) }
```

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

```
.background{ background-color: rgb(40, 149,  
184) }
```

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