

Converting Colors

$Y_{xy}(26.7932, 0.2163, 0.2744)$

Have a look what the booklet for
Yxy(26.7932, 0.2163, 0.2744)
contains.

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Color

Yxy(26.7988, 0.2160, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	2B99B9
RGB	43, 153, 185
RGB Percent	17%, 60%, 73%
CMY	0.8309, 0.4000, 0.2744
CMYK	0.77, 0.17, 0.00, 0.27
HSL	194°, 62%, 45%
HSV	194°, 77%, 73%
XYZ	21.1492, 26.7988, 49.9650
YIQ	123.7580, -75.8320, -13.3680

Conversions

Conversions Part 2

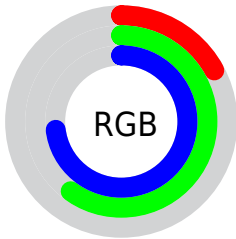
Format	Color
R_{YB}	43, 105, 185
Decimal	2857401
CIE _{Lab}	58.79, -19.37, -25.32
CIE _{LCh}	59, 31.882, 232.577
Yxy	26.7988, 0.2160, 0.2737
Android (android.graphics.Color)	4281047481 (0xFF2B99B9)
YUV	123.7580, 30.1923, -70.8248
Hunter-Lab	51.7676, -17.6685, -20.9882

Details

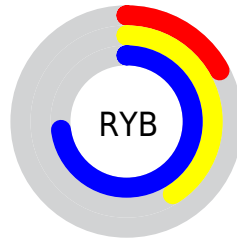
The Yxy color **26.7988, 0.2160, 0.2737** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.5438, 0.5393, 0.3648**, and the grayscale version is **19.9999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2915, 0.2345, 0.2854**, and **11.1687, 0.2045, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **25.1424, 0.2098, 0.2654**, and if you desaturate by 10%, it is **28.6864, 0.2242, 0.2820**.

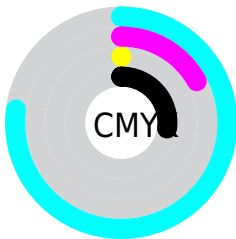
Distribution



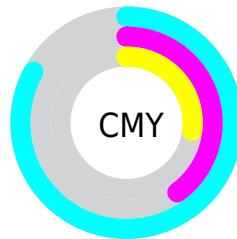
- Red (17%)
- Green (60%)
- Blue (73%)



- Red (17%)
- Yellow (41%)
- Blue (73%)



- Cyan (77%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (83%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7988, 0.2160, 0.2737 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 26.7988, 0.2160, 0.2737 by changing the saturation by 10% instead.

■ 26.7988, 0.2160,
0.2737

■ 26.7988, 0.2160,
0.2737

286.6816, 0.2666,
0.3047

■ 17.4222, 0.2029,
0.2648

■ 54.5608, 0.2348,
0.2858

■ 10.5359, 0.1859,
0.2528

■ 73.7150, 0.2417,
0.2901

■ 5.7557, 0.1632,
0.2358

■ 96.8972, 0.2476,
0.2936

■ 2.6971, 0.1319,
0.2101

■ 124.4918, 0.2525,
0.2966

■ 0.9757, 0.0790,
0.1706

■ 156.8831, 0.2568,
0.2991

■ 0.0000, 0.0000,
0.0000

194.4556, 0.2605,

0.3012

237.5936, 0.2637,
0.3031

■ 26.7988, 0.2160,
0.2737

■ 26.7988, 0.2160,
0.2737

■ 25.1424, 0.2098,
0.2654

■ 28.6864, 0.2242,
0.2820

■ 23.6843, 0.2053,
0.2572

■ 30.8245, 0.2342,
0.2901

■ 23.2265, 0.2040,
0.2545

■ 33.2332, 0.2458,
0.2980

■ 35.9296, 0.2588,
0.3055

■ 38.9290, 0.2727,
0.3126

■ 42.2457, 0.2874,
0.3192

■ 45.8929, 0.3025,
0.3253

■ 49.8830, 0.3178,
0.3308

■ 54.2276, 0.3329,
0.3357

Harmonies

Analogous

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



26.7988, 0.2269, 0.3182



26.7988, 0.2160, 0.2737



26.7988, 0.2277, 0.2490

Triad

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



26.7988, 0.2160, 0.2737



26.7988, 0.3642, 0.2894



26.7988, 0.3606, 0.4261

Complementary

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



26.7988, 0.2160, 0.2737



15.5438, 0.5393, 0.3648

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.



26.7988, 0.4021, 0.4072



26.7988, 0.2160, 0.2737



26.7988, 0.4060, 0.3287

Square

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



26.7988, 0.2160, 0.2737



26.7988, 0.3098, 0.2598



26.7988, 0.4198, 0.3707



26.7988, 0.3083, 0.4146

Rectangle

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



26.7988, 0.2160, 0.2737



26.7988, 0.2474, 0.2441



26.7988, 0.4198, 0.3707



26.7988, 0.3763, 0.4227

Sweetspot

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



26.7998, 0.2160, 0.2737



71.6134, 0.2776, 0.3149



35.7134, 0.2897, 0.5282



14.9942, 0.2723, 0.3124



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.



26.7998, 0.2160, 0.2737



43.2104, 0.2066, 0.2598



10.2564, 0.1831, 0.1458



9.8575, 0.2985, 0.3237



15.9251, 0.2043, 0.2556



0.6472, 0.2102, 0.2766

Inverse Universe

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



14.3527, 0.3674, 0.1980



22.6592, 0.3822, 0.1909



30.6853, 0.4503, 0.4523



9.1271, 0.3171, 0.3115



8.3900, 0.3867, 0.1904



0.3044, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 26.7988, 0.2160, 0.2737 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 26.7988, 0.2160, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

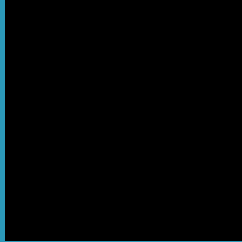
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7988, 0.2160, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 26.7988, 0.2160, 0.2737.

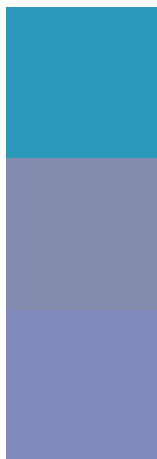


This preview shows how white text looks on a background with the Yxy color 26.7988, 0.2160, 0.2737.

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

26.7988, 0.2160, 0.2737

Protanopia

26.4659, 0.2724, 0.2722

Deuteranopia

26.3970, 0.2585, 0.2521



Tritanopia

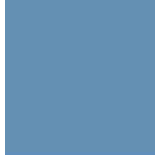
26.8611, 0.2212, 0.3051

Trichromacy



Original Color

26.7988, 0.2160, 0.2737



Protanomaly

25.9105, 0.2442, 0.2708



Deuteranomaly

25.7742, 0.2367, 0.2571



Tritanomaly

26.8449, 0.2190, 0.2931

Monochromacy



Original Color

26.7988, 0.2160, 0.2737



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

21.8362, 0.2622, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7988, 0.2160, 0.2737 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(43, 153, 185)` looks like.

```
.text, #text, p{  
    color:rgb(43, 153, 185)  
}
```

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(43, 153, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 153, 185) }
```

Border

The CSS property to change the border of an element to Yxy 26.7988, 0.2160, 0.2737 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(43, 153, 185) }
```

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

```
.border{ border-color:rgb(43, 153, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 153, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 153, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 153, 185);  
box-shadow:4px 4px 4px 4px rgb(43, 153,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7988, 0.2160, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 153, 185) }
```

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

```
.background{ background-color: rgb(43, 153,  
185) }
```

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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