

Converting Colors

$Y_{xy}(26.0170, 0.2273, 0.3047)$

Have a look what the booklet for
Yxy(26.0170, 0.2273, 0.3047)
contains.

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Color

$\text{Yxy}(26.1640, 0.2273, 0.3051)$

Conversions

Conversions Part 1

Format	Color
Hex	3099A6
RGB	48, 153, 166
RGB Percent	19%, 60%, 65%
CMY	0.8118, 0.4000, 0.3490
CMYK	0.71, 0.08, 0.00, 0.35
HSL	187°, 55%, 42%
HSV	187°, 71%, 65%
XYZ	19.4922, 26.1640, 40.0993
YIQ	123.0870, -66.7530, -18.2170

Conversions

Conversions Part 2

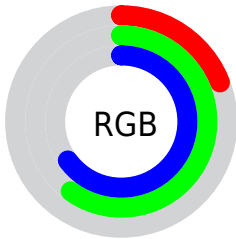
Format	Color
R_{YB}	48, 104, 166
Decimal	3185062
CIE _{Lab}	58.19, -24.94, -15.44
CIE _{LCh}	58, 29.331, 211.763
Yxy	26.1640, 0.2273, 0.3051
Android (android.graphics.Color)	4281375142 (0xFF3099A6)
YUV	123.0870, 21.1561, -65.8513
Hunter-Lab	51.1508, -21.4921, -10.6744

Details

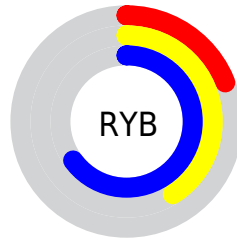
The Yxy color **26.1640, 0.2273, 0.3051** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6557, 0.5322, 0.3461**, and the grayscale version is **19.7817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7117, 0.2445, 0.3115**, and **10.7176, 0.2158, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **25.2404, 0.2215, 0.3013**, and if you desaturate by 10%, it is **27.2497, 0.2350, 0.3089**.

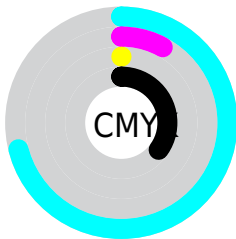
Distribution



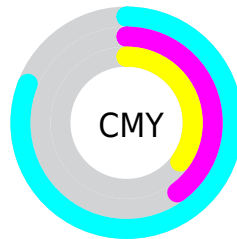
- Red (19%)
- Green (60%)
- Blue (65%)



- Red (19%)
- Yellow (41%)
- Blue (65%)



- Cyan (71%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)





- Cyan (81%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1640, 0.2273, 0.3051 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 26.1640, 0.2273, 0.3051 by changing the saturation by 10% instead.


 26.1640, 0.2273,
0.3051


 26.1640, 0.2273,
0.3051


283.5862, 0.2726,
0.3195


 16.9464, 0.2152,
0.3006


 53.5394, 0.2444,
0.3110


 10.1963, 0.1992,
0.2941


 72.4660, 0.2506,
0.3130


 5.5293, 0.1774,
0.2843

 95.3976, 0.2558,
0.3146

 2.5610, 0.1460,
0.2679

 122.7188, 0.2602,
0.3159

 0.9071, 0.0684,
0.2451

 154.8138, 0.2640,
0.3170

 0.0000, 0.0000,
0.0000

192.0671, 0.2673,

0.3179

234.8631, 0.2701,
0.3188

■ 26.1640, 0.2273,
0.3051

■ 26.1640, 0.2273,
0.3051

■ 25.2404, 0.2215,
0.3013

■ 27.2497, 0.2350,
0.3089

■ 24.4581, 0.2175,
0.2976

■ 28.5098, 0.2444,
0.3126

■ 23.8452, 0.2151,
0.2943

■ 29.9585, 0.2555,
0.3162

■ 31.6079, 0.2680,
0.3196

■ 33.4688, 0.2816,
0.3229

■ 35.5515, 0.2960,
0.3259

■ 37.8654, 0.3110,
0.3287

■ 40.4193, 0.3264,
0.3312

■ 43.2218, 0.3417,
0.3335

Harmonies

Analogous

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



26.1640, 0.2522, 0.3541



26.1640, 0.2273, 0.3051



26.1640, 0.2235, 0.2686

Triad

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



26.1640, 0.2273, 0.3051



26.1640, 0.3258, 0.2715



26.1640, 0.3861, 0.4096

Complementary

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



26.1640, 0.2273, 0.3051



11.6557, 0.5322, 0.3461

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.



26.1640, 0.4101, 0.3798



26.1640, 0.2273, 0.3051



26.1640, 0.3744, 0.3028

Square

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



26.1640, 0.2273, 0.3051



26.1640, 0.2770, 0.2530



26.1640, 0.4062, 0.3412



26.1640, 0.3432, 0.4189

Rectangle

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



26.1640, 0.2273, 0.3051



26.1640, 0.2328, 0.2548



26.1640, 0.4062, 0.3412



26.1640, 0.3967, 0.4014

Sweetspot

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



26.1650, 0.2273, 0.3051



60.6365, 0.2812, 0.3228



28.2248, 0.2969, 0.5350



13.3613, 0.2775, 0.3220



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



26.1650, 0.2273, 0.3051



45.0000, 0.2191, 0.2993



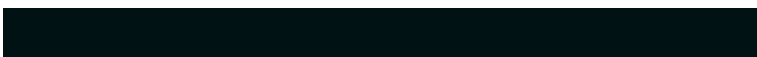
11.5999, 0.1986, 0.1887



8.3888, 0.2987, 0.3264



18.5325, 0.2152, 0.2946



0.4895, 0.2186, 0.3069

Inverse Universe

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



12.5196, 0.3392, 0.1885



19.7808, 0.3455, 0.1749



21.4650, 0.4564, 0.4290



7.6522, 0.3154, 0.3091



7.9419, 0.3502, 0.1703



0.1971, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 26.1640, 0.2273, 0.3051 looks on a white background.

Color Contrast Check

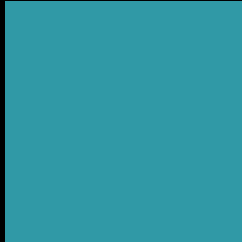
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1640, 0.2273, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

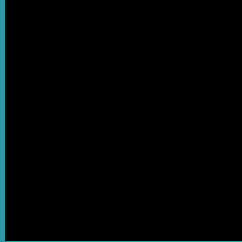
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1640, 0.2273, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 26.1640, 0.2273, 0.3051.

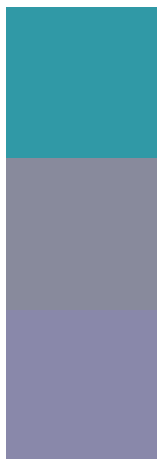


This preview shows how white text looks on a background with the Yxy color 26.1640, 0.2273, 0.3051.

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

26.1640, 0.2273, 0.3051

Protanopia

25.8115, 0.2930, 0.2996

Deuteranopia

25.8290, 0.2811, 0.2753



Tritanopia

26.1640, 0.2273, 0.3051

Trichromacy



Original Color

26.1640, 0.2273, 0.3051

Protanomaly

25.1260, 0.2606, 0.2993

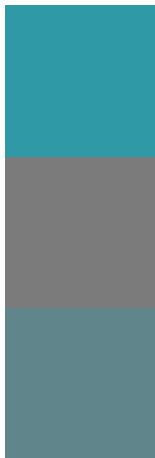
Deuteranomaly

25.2138, 0.2544, 0.2830

Tritanomaly

26.1640, 0.2273, 0.3051

Monochromacy



Original Color

26.1640, 0.2273, 0.3051

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.4011, 0.2687, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1640, 0.2273, 0.3051 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(48, 153, 166)` looks like.

```
.text, #text, p{  
    color:rgb(48, 153, 166)  
}
```

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(48, 153, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 153, 166) }
```

Border

The CSS property to change the border of an element to Yxy 26.1640, 0.2273, 0.3051 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(48, 153, 166) }
```

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

```
.border{ border-color:rgb(48, 153, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 153, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 153, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 153, 166);  
box-shadow:4px 4px 4px 4px rgb(48, 153,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1640, 0.2273, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 153, 166) }
```

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

```
.background{ background-color: rgb(48, 153,  
166) }
```

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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