

Converting Colors

$Yxy(27.0563, 0.2282, 0.3354)$

Have a look what the booklet for
Yxy(27.0563, 0.2282, 0.3354)
contains.

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Color

$\text{Yxy}(26.9304, 0.2280, 0.3344)$

Conversions

Conversions Part 1

Format	Color
Hex	109E9B
RGB	16, 158, 155
RGB Percent	6%, 62%, 61%
CMY	0.9358, 0.3804, 0.3921
CMYK	0.90, 0.00, 0.02, 0.38
HSL	179°, 81%, 34%
HSV	179°, 90%, 62%
XYZ	18.3616, 26.9304, 35.2415
YIQ	115.2000, -83.6690, -31.0370

Conversions

Conversions Part 2

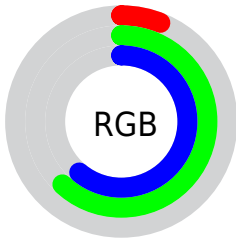
Format	Color
RYB	16, 88, 158
Decimal	1089179
CIELab	58.91, -33.85, -8.16
CIELCh	59, 34.816, 193.560
Yxy	26.9304, 0.2280, 0.3344
Android (android.graphics.Color)	4279279259 (0xFF109E9B)
YUV	115.2000, 19.6214, -86.9984
Hunter-Lab	51.8945, -27.6574, -3.9376

Details

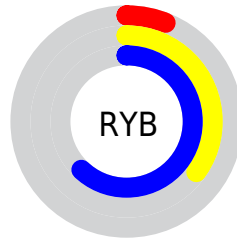
The Yxy color **26.9304, 0.2280, 0.3344** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.6985, 0.6141, 0.3280**, and the grayscale version is **17.2013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6248, 0.2449, 0.3343**, and **11.3075, 0.2262, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **26.8104, 0.2265, 0.3351**, and if you desaturate by 10%, it is **27.1390, 0.2308, 0.3337**.

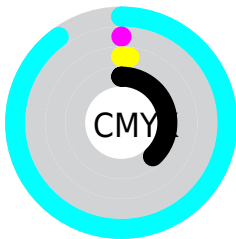
Distribution



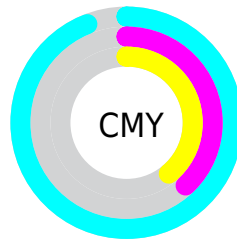
- Red (6%)
- Green (62%)
- Blue (61%)



- Red (6%)
- Yellow (35%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (2%)
- Black (38%)



- Cyan (94%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9304, 0.2280, 0.3344 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 26.9304, 0.2280, 0.3344 by changing the saturation by 10% instead.


 26.9304, 0.2280,
0.3344


 26.9304, 0.2280,
0.3344


287.3200, 0.2731,
0.3326


 17.5210, 0.2159,
0.3344

 54.7722, 0.2450,
0.3340


 10.6066, 0.1998,
0.3340


 73.9733, 0.2512,
0.3338


 5.8030, 0.1777,
0.3328

 97.2071, 0.2564,
0.3336

 2.7256, 0.1457,
0.3292

 124.8579, 0.2608,
0.3334

 0.9902, 0.0381,
0.3393

 157.3102, 0.2645,
0.3332

 0.0000, 0.0000,
0.0000

 194.9484, 0.2678,

0.3330

238.1569, 0.2706,
0.3328

■ 26.9304, 0.2280,
0.3344

■ 26.9304, 0.2280,
0.3344

■ 26.8104, 0.2265,
0.3351

■ 27.1390, 0.2308,
0.3337

■ 26.8063, 0.2264,
0.3351

■ 27.4682, 0.2354,
0.3331

■ 27.9341, 0.2419,
0.3324

■ 28.5500, 0.2502,
0.3318

■ 29.3273, 0.2602,
0.3311

■ 30.2764, 0.2717,
0.3305

■ 31.4070, 0.2846,
0.3300

■ 32.7278, 0.2985,
0.3295

■ 34.2472, 0.3133,
0.3290

Harmonies

Analogous

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



26.9304, 0.2694, 0.3932



26.9304, 0.2280, 0.3344



26.9304, 0.2092, 0.2809

Triad

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



26.9304, 0.2280, 0.3344



26.9304, 0.2918, 0.2476



26.9304, 0.4187, 0.4026

Complementary

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



26.9304, 0.2280, 0.3344



7.6985, 0.6141, 0.3280

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.



26.9304, 0.4286, 0.3599



26.9304, 0.2280, 0.3344



26.9304, 0.3513, 0.2751

Square

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



26.9304, 0.2280, 0.3344



26.9304, 0.2431, 0.2374



26.9304, 0.4035, 0.3148



26.9304, 0.3798, 0.4315

Rectangle

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



26.9304, 0.2280, 0.3344



26.9304, 0.2101, 0.2562



26.9304, 0.4035, 0.3148



26.9304, 0.4258, 0.3892

Sweetspot

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



26.9314, 0.2280, 0.3344



55.3921, 0.2743, 0.3304



24.6503, 0.3016, 0.5886



12.3512, 0.2704, 0.3306



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



26.9314, 0.2280, 0.3344



48.6811, 0.2265, 0.3352



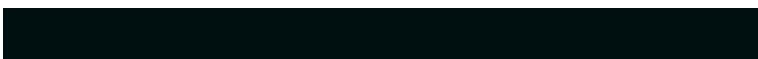
10.2198, 0.1883, 0.1885



7.5071, 0.2991, 0.3294



21.4720, 0.2264, 0.3350



0.3846, 0.2257, 0.3323

Inverse Universe

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



7.6985, 0.6141, 0.3280



13.2102, 0.6381, 0.3289



13.4118, 0.5251, 0.4083



6.6483, 0.3281, 0.3286



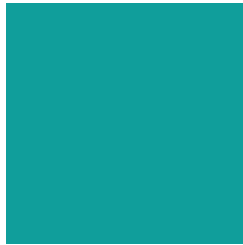
5.8284, 0.6370, 0.3283



0.1048, 0.6224, 0.3202

Previews

White Background



This preview shows how the Yxy color 26.9304, 0.2280, 0.3344 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 26.9304, 0.2280, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

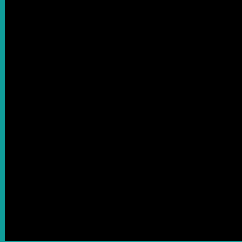
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9304, 0.2280, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 26.9304, 0.2280, 0.3344.

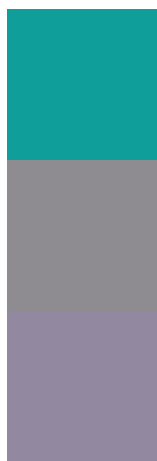


This preview shows how white text looks on a background with the Yxy color 26.9304, 0.2280, 0.3344.

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

26.9304, 0.2280, 0.3344

Protanopia

26.5206, 0.3109, 0.3225

Deuteranopia

26.5404, 0.2995, 0.2928



Tritanopia

26.9988, 0.2232, 0.3052

Trichromacy



Original Color

26.9304, 0.2280, 0.3344



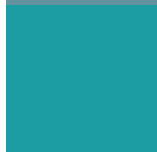
Protanomaly

25.4924, 0.2643, 0.3270



Deuteranomaly

25.3721, 0.2586, 0.3059



Tritanomaly

27.0412, 0.2247, 0.3159

Monochromacy



Original Color

26.9304, 0.2280, 0.3344



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.5066, 0.2607, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9304, 0.2280, 0.3344 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(16, 158, 155)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 155)  
}
```

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(16, 158, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 155) }
```

Border

The CSS property to change the border of an element to Yxy 26.9304, 0.2280, 0.3344 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(16, 158, 155) }
```

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

```
.border{ border-color:rgb(16, 158, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 158, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 158, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 158, 155); box-shadow:4px 4px 4px 4px rgb(16, 158, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9304, 0.2280, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 155) }
```

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

```
.background{ background-color: rgb(16, 158,  
155) }
```

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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