

Converting Colors

$Y_{xy}(27.1797, 0.2330, 0.3334)$

Have a look what the booklet for
Yxy(27.1797, 0.2330, 0.3334)
contains.

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Color

$\text{Yxy}(27.2714, 0.2332, 0.3344)$

Conversions

Conversions Part 1

Format	Color
Hex	289E9B
RGB	40, 158, 155
RGB Percent	16%, 62%, 61%
CMY	0.8430, 0.3804, 0.3922
CMYK	0.75, 0.00, 0.02, 0.38
HSL	178°, 60%, 39%
HSV	178°, 75%, 62%
XYZ	19.0182, 27.2714, 35.2636
YIQ	122.3760, -69.3650, -25.9490

Conversions

Conversions Part 2

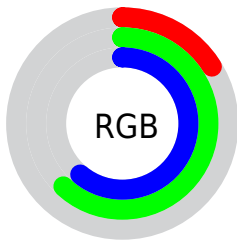
Format	Color
R_{YB}	40, 100, 158
Decimal	2662043
CIE _{Lab}	59.22, -31.80, -7.65
CIE _{LCh}	59, 32.705, 193.526
Y _{xy}	27.2714, 0.2332, 0.3344
Android (android.graphics.Color)	4280852123 (0xFF289E9B)
YUV	122.3760, 16.0836, -72.2438
Hunter-Lab	52.2220, -26.3824, -3.4809

Details

The Yxy color **27.2714, 0.2332, 0.3344** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9650, 0.5567, 0.3262**, and the grayscale version is **19.5593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2561, 0.2495, 0.3342**, and **11.3075, 0.2262, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **27.0040, 0.2295, 0.3352**, and if you desaturate by 10%, it is **27.6703, 0.2387, 0.3336**.

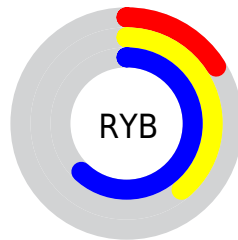
Distribution



Red (16%)

Green (62%)

Blue (61%)



Red (16%)

Yellow (39%)

Blue (62%)

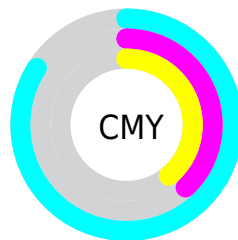


Cyan (75%)

Magenta (0%)

Yellow (2%)

Black (38%)



Cyan (84%)


Magenta (38%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2714, 0.2332, 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 27.2714, 0.2332, 0.3344 by changing the saturation by 10% instead.


 27.2714, 0.2332,
0.3344


 27.2714, 0.2332,
0.3344


288.9688, 0.2755,
0.3325


 17.7772, 0.2218,
0.3345


 55.3191, 0.2492,
0.3340

 10.7901, 0.2067,
0.3343


 74.6413, 0.2550,
0.3337

 5.9259, 0.1858,
0.3335

 98.0083, 0.2599,
0.3335

 2.8001, 0.1553,
0.3307

 125.8045, 0.2640,
0.3332

 1.0283, 0.0639,
0.3379

 158.4142, 0.2675,
0.3330

 0.0000, 0.0000,
0.0000

196.2219, 0.2705,

0.3328

239.6120, 0.2732,
0.3326

■ 27.2714, 0.2332,
0.3344

■ 27.2714, 0.2332,
0.3344

■ 27.0040, 0.2295,
0.3352

■ 27.6703, 0.2387,
0.3336

■ 26.8478, 0.2275,
0.3360

■ 28.2119, 0.2460,
0.3328

■ 26.7861, 0.2268,
0.3364

■ 28.9092, 0.2551,
0.3320

■ 29.7734, 0.2659,
0.3313

■ 30.8143, 0.2781,
0.3305

■ 32.0411, 0.2915,
0.3299

■ 33.4624, 0.3058,
0.3293

■ 35.0862, 0.3208,
0.3287

■ 36.9200, 0.3361,
0.3282

Harmonies

Analogous

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



27.2714, 0.2723, 0.3888



27.2714, 0.2332, 0.3344



27.2714, 0.2152, 0.2843

Triad

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



27.2714, 0.2332, 0.3344



27.2714, 0.2933, 0.2522



27.2714, 0.4123, 0.3986

Complementary

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



27.2714, 0.2332, 0.3344



8.9650, 0.5567, 0.3262

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.



27.2714, 0.4212, 0.3586



27.2714, 0.2332, 0.3344



27.2714, 0.3489, 0.2783

Square

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



27.2714, 0.2332, 0.3344



27.2714, 0.2473, 0.2426



27.2714, 0.3975, 0.3159



27.2714, 0.3760, 0.4250

Rectangle

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



27.2714, 0.2332, 0.3344



27.2714, 0.2160, 0.2609



27.2714, 0.3975, 0.3159



27.2714, 0.4187, 0.3861

Sweetspot

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



27.2724, 0.2332, 0.3344



56.4228, 0.2810, 0.3304



25.1429, 0.3037, 0.5595



12.6013, 0.2777, 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.



27.2724, 0.2332, 0.3344



48.8180, 0.2280, 0.3358



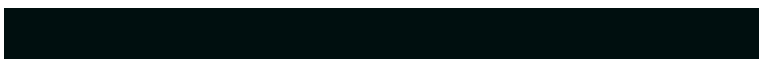
12.6126, 0.2028, 0.2150



7.5066, 0.2992, 0.3295



21.4532, 0.2268, 0.3364



0.3844, 0.2259, 0.3331

Inverse Universe

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



8.9650, 0.5567, 0.3262



13.7964, 0.6190, 0.3279



15.6240, 0.4858, 0.4084



6.6488, 0.3280, 0.3285



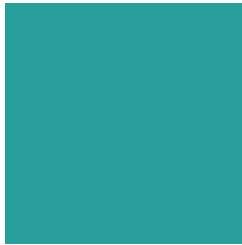
5.8298, 0.6364, 0.3279



0.1050, 0.6188, 0.3183

Previews

White Background



This preview shows how the Yxy color 27.2714, 0.2332, 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 27.2714, 0.2332, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

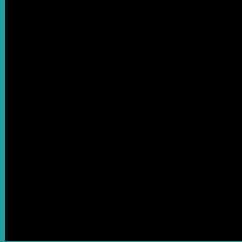
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2714, 0.2332, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 27.2714, 0.2332, 0.3344.

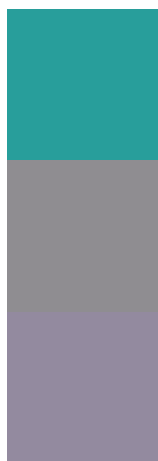


This preview shows how white text looks on a background with the Yxy color 27.2714, 0.2332, 0.3344.

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

27.2714, 0.2332, 0.3344

Protanopia

26.9337, 0.3109, 0.3225

Deuteranopia

26.8832, 0.3015, 0.2960



Tritanopia

27.2945, 0.2274, 0.3055

Trichromacy



Original Color

27.2714, 0.2332, 0.3344



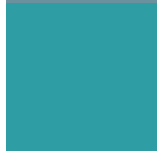
Protanomaly

26.1015, 0.2718, 0.3253



Deuteranomaly

25.9076, 0.2659, 0.3064



Tritanomaly

27.3751, 0.2296, 0.3160

Monochromacy



Original Color

27.2714, 0.2332, 0.3344



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.3245, 0.2696, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2714, 0.2332, 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(40, 158, 155)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 158, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 158, 155) }
```

Border

The CSS property to change the border of an element to Yxy 27.2714, 0.2332, 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(40, 158, 155) }
```

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

```
.border{ border-color:rgb(40, 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(40, 158, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 158, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 158, 155);  
box-shadow:4px 4px 4px 4px rgb(40, 158,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2714, 0.2332, 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(40, 158, 155) }
```

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

```
.background{ background-color: rgb(40, 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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