

Converting Colors

$Y_{xy}(32.9144, 0.2253, 0.3255)$

Have a look what the booklet for
Yxy(32.9144, 0.2253, 0.3255)
contains.

Yxy(33.0717, 0.2258, 0.3270)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0717, 0.2258, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	12ADAE
RGB	18, 173, 174
RGB Percent	7%, 68%, 68%
CMY	0.9285, 0.3216, 0.3176
CMYK	0.90, 0.01, 0.00, 0.32
HSL	180°, 81%, 38%
HSV	180°, 90%, 68%
XYZ	22.8367, 33.0717, 45.2283
YIQ	126.7690, -92.7010, -32.5490

Conversions

Conversions Part 2

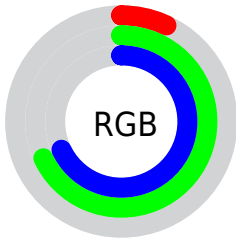
Format	Color
R _Y B	18, 96, 174
Decimal	1224110
CIE Lab	64.22, -34.93, -10.92
CIE LCh	64, 36.599, 197.357
Yxy	33.0717, 0.2258, 0.3270
Android (android.graphics.Color)	4279414190 (0xFF12ADAE)
YUV	126.7690, 23.2849, -95.3904
Hunter-Lab	57.5080, -29.7559, -6.3742

Details

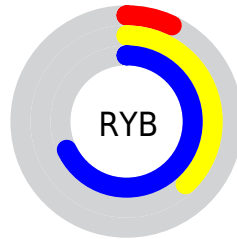
The Yxy color **33.0717, 0.2258, 0.3270** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5186, 0.6181, 0.3304**, and the grayscale version is **21.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4625, 0.2424, 0.3288**, and **14.8381, 0.2233, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **32.9040, 0.2242, 0.3268**, and if you desaturate by 10%, it is **33.3541, 0.2288, 0.3272**.

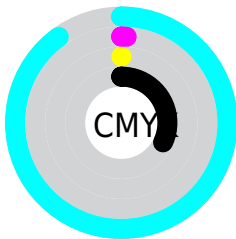
Distribution



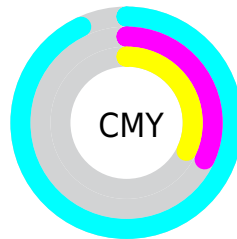
- Red (7%)
- Green (68%)
- Blue (68%)



- Red (7%)
- Yellow (38%)
- Blue (68%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (32%)





- Cyan (93%)
- Magenta (32%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0717, 0.2258, 0.3270 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 33.0717, 0.2258, 0.3270 by changing the saturation by 10% instead.


 33.0717, 0.2258,
0.3270


 33.0717, 0.2258,
0.3270


315.9727, 0.2704,
0.3294

 22.1814, 0.2144,
0.3259


 64.4875, 0.2422,
0.3282


 13.9902, 0.1996,
0.3241


 85.7817, 0.2484,
0.3286

 8.1139, 0.1799,
0.3210

 111.3127, 0.2535,
0.3288

 4.1679, 0.1525,
0.3152

 141.4648, 0.2579,
0.3290

 1.7679, 0.1106,
0.3039

 176.6225, 0.2617,
0.3292

 0.4671, 0.0000,
0.2635

217.1701, 0.2650,

 0.0000, 0.0000,

0.3293

0.0000

263.4920, 0.2679,
0.3293

■ 33.0717, 0.2258,
0.3270

■ 33.0717, 0.2258,
0.3270

■ 32.9040, 0.2242,
0.3268

■ 33.3541, 0.2288,
0.3272

■ 32.8965, 0.2241,
0.3268

■ 33.7869, 0.2335,
0.3274

■ 34.3910, 0.2402,
0.3277

■ 35.1830, 0.2487,
0.3279

■ 36.1776, 0.2589,
0.3281

■ 37.3880, 0.2708,
0.3284

■ 38.8262, 0.2840,
0.3286

■ 40.5036, 0.2983,
0.3288

■ 42.4306, 0.3135,
0.3290

Harmonies

Analogous

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



33.0717, 0.2640, 0.3852



33.0717, 0.2258, 0.3270



33.0717, 0.2102, 0.2765

Triad

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



33.0717, 0.2258, 0.3270



33.0717, 0.2994, 0.2515



33.0717, 0.4134, 0.4061

Complementary

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



33.0717, 0.2258, 0.3270



9.5186, 0.6181, 0.3304

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.



33.0717, 0.4272, 0.3651



33.0717, 0.2258, 0.3270



33.0717, 0.3580, 0.2805

Square

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



33.0717, 0.2258, 0.3270



33.0717, 0.2494, 0.2391



33.0717, 0.4067, 0.3206



33.0717, 0.3724, 0.4314

Rectangle

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



33.0717, 0.2258, 0.3270



33.0717, 0.2131, 0.2541



33.0717, 0.4067, 0.3206



33.0717, 0.4216, 0.3935

Sweetspot

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



33.0729, 0.2258, 0.3270



68.3082, 0.2734, 0.3284



30.4510, 0.3005, 0.5902



15.0033, 0.2692, 0.3283



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.0729, 0.2258, 0.3270



59.6504, 0.2241, 0.3268



11.5758, 0.1851, 0.1772



9.0630, 0.2987, 0.3288



23.8609, 0.2241, 0.3268



0.6666, 0.2243, 0.3274

Inverse Universe

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



12.4572, 0.3222, 0.1591



21.7849, 0.3226, 0.1551



17.4327, 0.5182, 0.4151



8.1472, 0.3139, 0.3068



8.7118, 0.3225, 0.1550



0.2426, 0.3220, 0.1548

Previews

White Background



This preview shows how the Yxy color 33.0717, 0.2258, 0.3270 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.0717, 0.2258, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

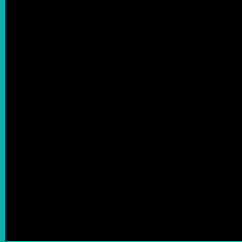
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

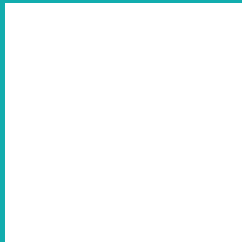
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0717, 0.2258, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 33.0717, 0.2258, 0.3270.

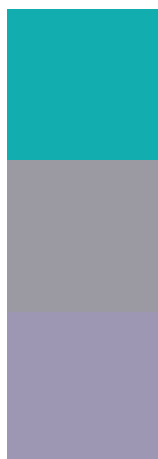


This preview shows how white text looks on a background with the Yxy color 33.0717, 0.2258, 0.3270.

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

33.0717, 0.2258, 0.3270

Protanopia

32.6884, 0.3064, 0.3170

Deuteranopia

32.6570, 0.2943, 0.2886



Tritanopia

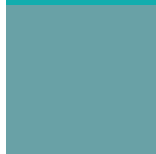
32.9687, 0.2221, 0.3054

Trichromacy



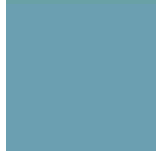
Original Color

33.0717, 0.2258, 0.3270



Protanomaly

31.2462, 0.2612, 0.3206



Deuteranomaly

31.0964, 0.2546, 0.2999



Tritanomaly

33.0881, 0.2234, 0.3136

Monochromacy



Original Color

33.0717, 0.2258, 0.3270



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.9864, 0.2596, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0717, 0.2258, 0.3270 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(18, 173, 174)` looks like.

```
.text, #text, p{  
  color:rgb(18, 173, 174)  
}
```

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(18, 173, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 173, 174) }
```

Border

The CSS property to change the border of an element to Yxy 33.0717, 0.2258, 0.3270 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(18, 173, 174) }
```

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

```
.border{ border-color:rgb(18, 173, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 173, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 173, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 173, 174);  
box-shadow:4px 4px 4px 4px rgb(18, 173,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0717, 0.2258, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 173, 174) }
```

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

```
.background{ background-color: rgb(18, 173,  
174) }
```

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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