

Converting Colors

$Y_{xy}(30.1102, 0.2272, 0.3287)$

Have a look what the booklet for
Yxy(30.1102, 0.2272, 0.3287)
contains.

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Color

Yxy(30.2078, 0.2272, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	17A6A6
RGB	23, 166, 166
RGB Percent	9%, 65%, 65%
CMY	0.9083, 0.3491, 0.3490
CMYK	0.86, 0.00, 0.00, 0.35
HSL	180°, 75%, 37%
HSV	180°, 86%, 65%
XYZ	20.8799, 30.2078, 40.8132
YIQ	123.2430, -85.2280, -30.3160

Conversions

Conversions Part 2

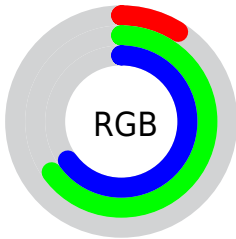
Format	Color
R_{YB}	23, 95, 166
Decimal	1549990
CIE Lab	61.83, -33.79, -10.01
CIE LCh	62, 35.245, 196.498
Yxy	30.2078, 0.2272, 0.3287
Android (android.graphics.Color)	4279740070 (0xFF17A6A6)
YUV	123.2430, 21.0792, -87.9131
Hunter-Lab	54.9616, -28.3709, -5.5542

Details

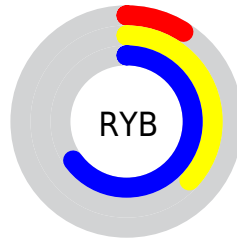
The Yxy color **30.2078, 0.2272, 0.3287** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.8013, 0.6073, 0.3299**, and the grayscale version is **19.8802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1723, 0.2437, 0.3301**, and **13.0252, 0.2240, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **30.0649, 0.2252, 0.3287**, and if you desaturate by 10%, it is **30.4741, 0.2308, 0.3287**.

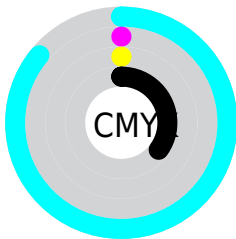
Distribution



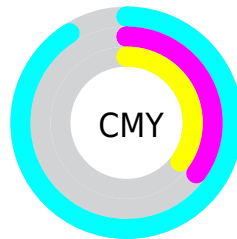
- Red (9%)
- Green (65%)
- Blue (65%)



- Red (9%)
- Yellow (37%)
- Blue (65%)



- Cyan (86%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)




- Cyan (91%)
- Magenta (35%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2078, 0.2272, 0.3287 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 30.2078, 0.2272, 0.3287 by changing the saturation by 10% instead.


 30.2078, 0.2272,
0.3287


 30.2078, 0.2272,
0.3287


 302.8719, 0.2718,
0.3301


 19.9964, 0.2155,
0.3278


 59.9906, 0.2438,
0.3296


 12.3924, 0.2003,
0.3263


 80.3308, 0.2499,
0.3298

 7.0115, 0.1797,
0.3235

 104.8161, 0.2551,
0.3299

 3.4693, 0.1506,
0.3180

 133.8308, 0.2594,
0.3300

 1.3814, 0.0943,
0.3100

 167.7593, 0.2632,
0.3301

 0.2029, 0.0000,
0.1806

 206.9861, 0.2664,

 0.0000, 0.0000,

0.3301

0.0000

251.8955, 0.2693,
0.3301

■ 30.2078, 0.2272,
0.3287

■ 30.2078, 0.2272,
0.3287

■ 30.0649, 0.2252,
0.3287

■ 30.4741, 0.2308,
0.3287

■ 30.0206, 0.2246,
0.3287

■ 30.8822, 0.2361,
0.3287

■ 31.4494, 0.2434,
0.3288

■ 32.1898, 0.2525,
0.3288

■ 33.1160, 0.2633,
0.3288

■ 34.2393, 0.2756,
0.3289

■ 35.5703, 0.2892,
0.3289

■ 37.1186, 0.3037,
0.3290

■ 38.8934, 0.3190,
0.3290

Harmonies

Analogous

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



30.2078, 0.2658, 0.3863



30.2078, 0.2272, 0.3287



30.2078, 0.2110, 0.2781

Triad

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



30.2078, 0.2272, 0.3287



30.2078, 0.2979, 0.2514



30.2078, 0.4135, 0.4046

Complementary

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



30.2078, 0.2272, 0.3287



8.8013, 0.6073, 0.3299

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.



30.2078, 0.4262, 0.3637



30.2078, 0.2272, 0.3287



30.2078, 0.3560, 0.2798

Square

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



30.2078, 0.2272, 0.3287



30.2078, 0.2487, 0.2396



30.2078, 0.4049, 0.3194



30.2078, 0.3735, 0.4303

Rectangle

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



30.2078, 0.2272, 0.3287



30.2078, 0.2135, 0.2553



30.2078, 0.4049, 0.3194



30.2078, 0.4213, 0.3919

Sweetspot

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



30.2089, 0.2272, 0.3287



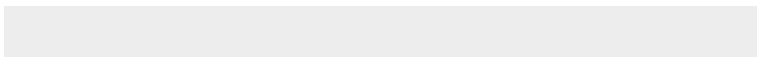
62.0028, 0.2748, 0.3289



27.5280, 0.3007, 0.5846



13.7159, 0.2706, 0.3289



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.



30.2089, 0.2272, 0.3287



54.4735, 0.2246, 0.3287



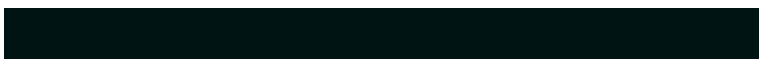
11.0710, 0.1885, 0.1845



8.5318, 0.2987, 0.3290



23.2750, 0.2246, 0.3287



0.5664, 0.2246, 0.3287

Inverse Universe

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



11.4896, 0.3207, 0.1607



19.7082, 0.3210, 0.1542



16.3026, 0.5092, 0.4161



7.6666, 0.3138, 0.3068



8.4207, 0.3210, 0.1542



0.2049, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 30.2078, 0.2272, 0.3287 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 30.2078, 0.2272, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

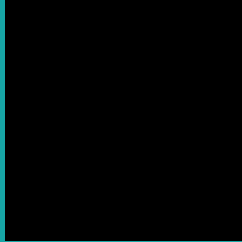
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

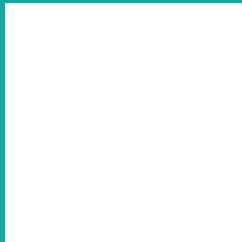
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2078, 0.2272, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 30.2078, 0.2272, 0.3287.

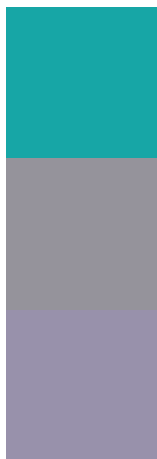


This preview shows how white text looks on a background with the Yxy color 30.2078, 0.2272, 0.3287.

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

30.2078, 0.2272, 0.3287

Protanopia

29.6236, 0.3072, 0.3166

Deuteranopia

29.8665, 0.2954, 0.2900



Tritanopia

30.1586, 0.2229, 0.3046

Trichromacy



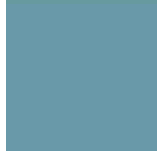
Original Color

30.2078, 0.2272, 0.3287



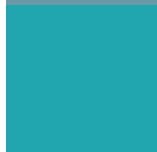
Protanomaly

28.4980, 0.2631, 0.3203



Deuteranomaly

28.6503, 0.2571, 0.3022



Tritanomaly

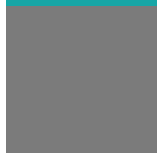
30.2733, 0.2243, 0.3130

Monochromacy



Original Color

30.2078, 0.2272, 0.3287



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.3556, 0.2622, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2078, 0.2272, 0.3287 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(23, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(23, 166, 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(23, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 166, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.2078, 0.2272, 0.3287 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(23, 166, 166) }
```

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

```
.border{ border-color:rgb(23, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(23, 166,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2078, 0.2272, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 166, 166) }
```

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

```
.background{ background-color: rgb(23, 166,  
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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