

Converting Colors

$Y_{xy}(30.2205, 0.2223, 0.3202)$

Have a look what the booklet for
Yxy(30.2205, 0.2223, 0.3202)
contains.

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Color

Yxy(30.2127, 0.2222, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	00A6AB
RGB	0, 166, 171
RGB Percent	0%, 65%, 67%
CMY	1.0000, 0.3490, 0.3295
CMYK	1.00, 0.03, 0.00, 0.33
HSL	182°, 100%, 34%
HSV	182°, 100%, 67%
XYZ	20.9855, 30.2127, 43.2460
YIQ	116.9360, -100.5410, -33.6370

Conversions

Conversions Part 2

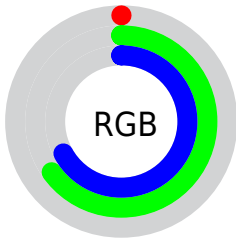
Format	Color
RYB	0, 84, 171
Decimal	42667
CIELab	61.84, -33.30, -12.81
CIELCh	62, 35.683, 201.041
Yxy	30.2127, 0.2222, 0.3199
Android (android.graphics.Color)	4278232747 (0xFF00A6AB)
YUV	116.9360, 26.6536, -102.5529
Hunter-Lab	54.9661, -28.0411, -8.1717

Details

The Yxy color **30.2127, 0.2222, 0.3199** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7646, 0.6377, 0.3318**, and the grayscale version is **17.7085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2203, 0.2400, 0.3236**, and **13.1422, 0.2205, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **30.2137, 0.2222, 0.3199**, and if you desaturate by 10%, it is **30.5154, 0.2240, 0.3208**.

Distribution



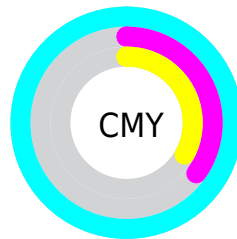
- Red (0%)
- Green (65%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (35%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2127, 0.2222, 0.3199 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 30.2127, 0.2222, 0.3199 by changing the saturation by 10% instead.


 30.2127, 0.2222,
0.3199


 30.2127, 0.2222,
0.3199


 302.8946, 0.2692,
0.3263


 20.0001, 0.2100,
0.3176


 59.9984, 0.2396,
0.3227

 12.3951, 0.1942,
0.3142


 80.3403, 0.2461,
0.3236

 7.0134, 0.1730,
0.3087


 104.8273, 0.2515,
0.3243

 3.4705, 0.1433,
0.2991

 133.8440, 0.2561,
0.3249

 1.3820, 0.0887,
0.2835

 167.7747, 0.2601,
0.3253

 0.2034, 0.0000,
0.1531

 207.0038, 0.2635,

 0.0000, 0.0000,

0.3257

0.0000

251.9156, 0.2665,
0.3260

■ 30.2127, 0.2222,
0.3199

■ 30.2127, 0.2222,
0.3199

■ 30.2137, 0.2222,
0.3199

■ 30.5154, 0.2240,
0.3208

■ 30.9210, 0.2272,
0.3218

■ 31.4720, 0.2322,
0.3227

■ 32.1873, 0.2390,
0.3237

■ 33.0830, 0.2477,
0.3247

■ 34.1730, 0.2581,
0.3256

■ 35.4703, 0.2700,
0.3265

■ 36.9864, 0.2833,
0.3274

■ 38.7320, 0.2976,
0.3282

Harmonies

Analogous

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



30.2127, 0.2580, 0.3787



30.2127, 0.2222, 0.3199



30.2127, 0.2095, 0.2713

Triad

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



30.2127, 0.2222, 0.3199



30.2127, 0.3064, 0.2540



30.2127, 0.4101, 0.4107

Complementary

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



30.2127, 0.2222, 0.3199



8.7646, 0.6377, 0.3318

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.



30.2127, 0.4278, 0.3707



30.2127, 0.2222, 0.3199



30.2127, 0.3652, 0.2847

Square

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



30.2127, 0.2222, 0.3199



30.2127, 0.2544, 0.2392



30.2127, 0.4115, 0.3259



30.2127, 0.3663, 0.4332

Rectangle

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



30.2127, 0.2222, 0.3199



30.2127, 0.2144, 0.2507



30.2127, 0.4115, 0.3259



30.2127, 0.4194, 0.3985

Sweetspot

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



30.2138, 0.2222, 0.3199



63.4033, 0.2694, 0.3265



29.1268, 0.2997, 0.5988



13.9186, 0.2643, 0.3261



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.2138, 0.2222, 0.3199



54.0638, 0.2222, 0.3197



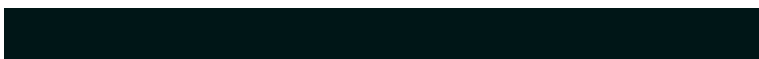
9.0723, 0.1759, 0.1532



9.0314, 0.2987, 0.3283



22.7949, 0.2222, 0.3200



0.6463, 0.2230, 0.3228

Inverse Universe

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



11.4098, 0.3283, 0.1582



20.4321, 0.3284, 0.1583



15.6927, 0.5350, 0.4134



8.1440, 0.3142, 0.3073



8.6042, 0.3282, 0.1582



0.2406, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 30.2127, 0.2222, 0.3199 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 30.2127, 0.2222, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

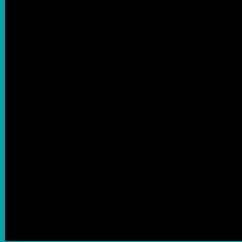
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

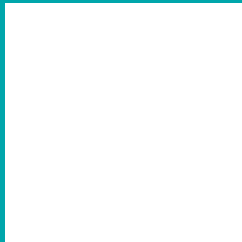
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2127, 0.2222, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 30.2127, 0.2222, 0.3199.



This preview shows how white text looks on a background with the Yxy color 30.2127, 0.2222, 0.3199.

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

30.2127, 0.2222, 0.3199

Protanopia

29.9789, 0.3024, 0.3120

Deuteranopia

29.8694, 0.2891, 0.2827



Tritanopia

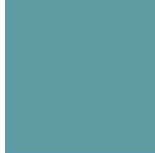
30.3313, 0.2210, 0.3062

Trichromacy



Original Color

30.2127, 0.2222, 0.3199



Protanomaly

28.4667, 0.2540, 0.3151



Deuteranomaly

28.2714, 0.2467, 0.2937



Tritanomaly

30.1156, 0.2212, 0.3112

Monochromacy



Original Color

30.2127, 0.2222, 0.3199



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.5899, 0.2525, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2127, 0.2222, 0.3199 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(0, 166, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 171)  
}
```

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(0, 166, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.2127, 0.2222, 0.3199 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(0, 166, 171) }
```

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

```
.border{ border-color:rgb(0, 166, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2127, 0.2222, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 171) }
```

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

```
.background{ background-color: rgb(0, 166,  
171) }
```

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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