

Converting Colors

$Yxy(27.5240, 0.2210, 0.3284)$

Have a look what the booklet for
Yxy(27.5240, 0.2210, 0.3284)
contains.

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Color

$\text{Yxy}(27.6797, 0.2247, 0.3287)$

Conversions

Conversions Part 1

Format	Color
Hex	01A0A0
RGB	1, 160, 160
RGB Percent	0%, 63%, 63%
CMY	0.9977, 0.3726, 0.3725
CMYK	1.00, 0.00, 0.00, 0.37
HSL	180°, 99%, 31%
HSV	180°, 100%, 63%
XYZ	18.9219, 27.6797, 37.6080
YIQ	112.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

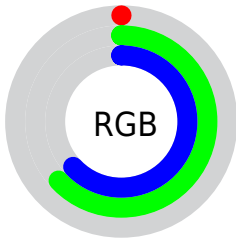
Format	Color
RYB	1, 81, 160
Decimal	106656
CIELab	59.60, -33.90, -9.98
CIELCh	60, 35.342, 196.409
Yxy	27.6797, 0.2247, 0.3287
Android (android.graphics.Color)	4278296736 (0xFF01A0A0)
YUV	112.4590, 23.4377, -97.7495
Hunter-Lab	52.6115, -27.8720, -5.5539

Details

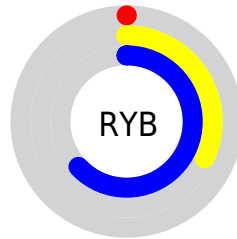
The Yxy color **27.6797, 0.2247, 0.3287** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.4892, 0.6393, 0.3300**, and the grayscale version is **16.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8343, 0.2419, 0.3288**, and **11.8293, 0.2239, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **27.6769, 0.2246, 0.3287**, and if you desaturate by 10%, it is **27.7931, 0.2264, 0.3287**.

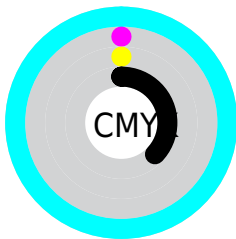
Distribution



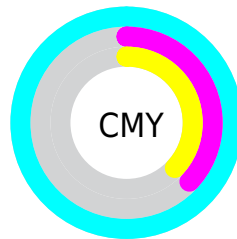
- Red (0%)
- Green (63%)
- Blue (63%)



- Red (0%)
- Yellow (32%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6797, 0.2247, 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 27.6797, 0.2247, 0.3287 by changing the saturation by 10% instead.


 27.6797, 0.2247,
0.3287


 27.6797, 0.2247,
0.3287


 290.9332, 0.2712,
0.3302


 18.0844, 0.2123,
0.3277


 55.9727, 0.2422,
0.3296

 11.0106, 0.1961,
0.3260


 75.4391, 0.2486,
0.3299

 6.0739, 0.1739,
0.3229

 98.9646, 0.2539,
0.3300

 2.8901, 0.1422,
0.3164

 126.9337, 0.2584,
0.3301

 1.0746, 0.0534,
0.3147

 159.7307, 0.2623,
0.3302

 0.0000, 0.0000,
0.0000

 197.7400, 0.2657,

0.3302

241.3461, 0.2686,
0.3302

■ 27.6797, 0.2247,
0.3287

■ 27.6797, 0.2247,
0.3287

■ 27.6769, 0.2246,
0.3287

■ 27.7931, 0.2264,
0.3287

■ 27.9950, 0.2293,
0.3287

■ 28.3219, 0.2340,
0.3287

■ 28.7897, 0.2406,
0.3288

■ 29.4118, 0.2490,
0.3288

■ 30.2003, 0.2592,
0.3288

■ 31.1657, 0.2709,
0.3289

■ 32.3181, 0.2840,
0.3289

■ 33.6664, 0.2983,
0.3290

Harmonies

Analogous

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



27.6797, 0.2643, 0.3885



27.6797, 0.2247, 0.3287



27.6797, 0.2081, 0.2764

Triad

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



27.6797, 0.2247, 0.3287



27.6797, 0.2971, 0.2492



27.6797, 0.4167, 0.4065

Complementary

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



27.6797, 0.2247, 0.3287



7.4892, 0.6393, 0.3300

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.



27.6797, 0.4299, 0.3643



27.6797, 0.2247, 0.3287



27.6797, 0.3572, 0.2782

Square

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



27.6797, 0.2247, 0.3287



27.6797, 0.2466, 0.2370



27.6797, 0.4078, 0.3188



27.6797, 0.3753, 0.4335

Rectangle

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



27.6797, 0.2247, 0.3287



27.6797, 0.2106, 0.2531



27.6797, 0.4078, 0.3188



27.6797, 0.4248, 0.3934

Sweetspot

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



27.6807, 0.2247, 0.3287



56.3994, 0.2698, 0.3289



25.1507, 0.3000, 0.5997



12.2116, 0.2650, 0.3288



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.



27.6807, 0.2247, 0.3287



50.2450, 0.2246, 0.3287



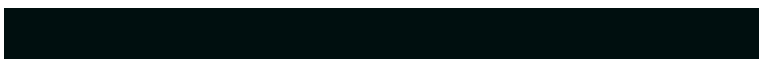
8.3233, 0.1779, 0.1602



7.5094, 0.2988, 0.3290



21.5565, 0.2246, 0.3287



0.3855, 0.2247, 0.3287

Inverse Universe

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



10.0252, 0.3209, 0.1543



18.1770, 0.3210, 0.1542



13.2571, 0.5383, 0.4103



6.7546, 0.3138, 0.3070



7.7984, 0.3210, 0.1542



0.1394, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 27.6797, 0.2247, 0.3287 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 27.6797, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

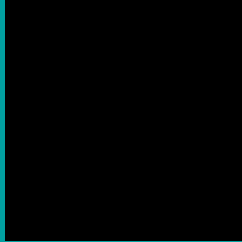
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6797, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 27.6797, 0.2247, 0.3287.

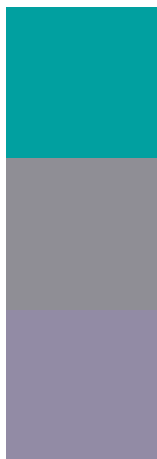


This preview shows how white text looks on a background with the Yxy color 27.6797, 0.2247, 0.3287.

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

27.6861, 0.2248, 0.3287

Protanopia

27.3556, 0.3069, 0.3177

Deuteranopia

27.2928, 0.2948, 0.2886



Tritanopia

27.6552, 0.2218, 0.3054

Trichromacy



Original Color

27.6861, 0.2248, 0.3287



Protanomaly

26.0189, 0.2573, 0.3216



Deuteranomaly

25.8389, 0.2510, 0.3008



Tritanomaly

27.7247, 0.2226, 0.3142

Monochromacy



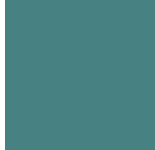
Original Color

27.6861, 0.2248, 0.3287



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.6251, 0.2544, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6797, 0.2247, 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(1, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(1, 160, 160)  
}
```

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(1, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 160, 160) }
```

Border

The CSS property to change the border of an element to Yxy 27.6797, 0.2247, 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(1, 160, 160) }
```

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

```
.border{ border-color:rgb(1, 160, 160) }
```

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

Here you see how a box with a 4 pixel rgb(1, 160, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(1, 160,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6797, 0.2247, 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(1, 160, 160) }
```

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

```
.background{ background-color: rgb(1, 160,  
160) }
```

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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