

Converting Colors

$Yxy(22.2747, 0.1166, 0.3500)$

Have a look what the booklet for
Yxy(22.2747, 0.1166, 0.3500)
contains.

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Color

$\text{Yxy}(28.1406, 0.2294, 0.3457)$

Conversions

Conversions Part 1

Format	Color
Hex	00A299
RGB	0, 162, 153
RGB Percent	0%, 64%, 60%
CMY	0.9986, 0.3647, 0.4000
CMYK	1.00, 0.00, 0.06, 0.36
HSL	177°, 100%, 32%
HSV	177°, 100%, 64%
XYZ	18.6736, 28.1406, 34.5876
YIQ	112.5360, -93.6630, -37.1430

Conversions

Conversions Part 2

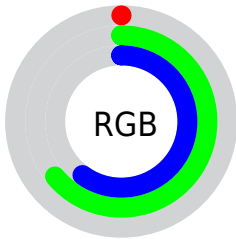
Format	Color
RYB	0, 83, 162
Decimal	41625
CIELab	60.02, -36.98, -5.40
CIELCh	60, 37.376, 188.311
Yxy	28.1406, 0.2294, 0.3457
Android (android.graphics.Color)	4278231705 (0xFF00A299)
YUV	112.5360, 19.9488, -98.6941
Hunter-Lab	53.0477, -29.9989, -1.5243

Details

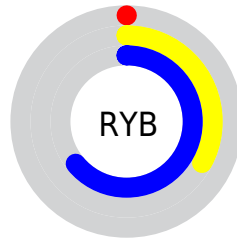
The Yxy color **28.1406, 0.2294, 0.3457** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.7089, 0.6328, 0.3262**, and the grayscale version is **16.3613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9231, 0.2461, 0.3439**, and **11.8966, 0.2299, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **28.1388, 0.2294, 0.3457**, and if you desaturate by 10%, it is **28.2843, 0.2306, 0.3439**.

Distribution



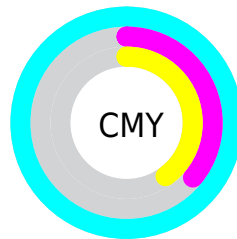
- Red (0%)
- Green (64%)
- Blue (60%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1406, 0.2294, 0.3457 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 28.1406, 0.2294, 0.3457 by changing the saturation by 10% instead.

 28.1406, 0.2294,
0.3457


 28.1406, 0.2294,
0.3457


293.1381, 0.2736,
0.3376


 18.4317, 0.2175,
0.3475


 56.7088, 0.2461,
0.3429


 11.2603, 0.2019,
0.3498


 76.3369, 0.2522,
0.3417

 6.2422, 0.1803,
0.3523

 100.0402, 0.2572,
0.3408

 2.9929, 0.1491,
0.3548

 128.2031, 0.2615,
0.3400

 1.1280, 0.0502,
0.3752

 161.2099, 0.2652,
0.3393

 0.0017, 0.0000,
0.0045

 199.4451, 0.2684,

 0.0000, 0.0000,

0.3386

0.0000

243.2930, 0.2712,
0.3381

■ 28.1406, 0.2294,
0.3457

■ 28.1406, 0.2294,
0.3457

■ 28.1388, 0.2294,
0.3457

■ 28.2843, 0.2306,
0.3439

■ 28.5185, 0.2332,
0.3421

■ 28.8813, 0.2375,
0.3403

■ 29.3890, 0.2437,
0.3385

■ 30.0556, 0.2517,
0.3367

■ 30.8934, 0.2614,
0.3349

■ 31.9134, 0.2727,
0.3333

■ 33.1260, 0.2852,
0.3317

■ 34.5404, 0.2988,
0.3303

Harmonies

Analogous

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



28.1406, 0.2762, 0.4067



28.1406, 0.2294, 0.3457



28.1406, 0.2055, 0.2864

Triad

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



28.1406, 0.2294, 0.3457



28.1406, 0.2803, 0.2403



28.1406, 0.4289, 0.3987

Complementary

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



28.1406, 0.2294, 0.3457



7.7089, 0.6328, 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.



28.1406, 0.4333, 0.3525



28.1406, 0.2294, 0.3457



28.1406, 0.3423, 0.2662

Square

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



28.1406, 0.2294, 0.3457



28.1406, 0.2325, 0.2329



28.1406, 0.4007, 0.3058



28.1406, 0.3920, 0.4335

Rectangle

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



28.1406, 0.2294, 0.3457



28.1406, 0.2036, 0.2578



28.1406, 0.4007, 0.3058



28.1406, 0.4345, 0.3839

Sweetspot

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



28.1417, 0.2294, 0.3457



57.7825, 0.2718, 0.3334



25.9120, 0.3017, 0.5985



12.8039, 0.2671, 0.3341



82.7571, 0.3127, 0.3290



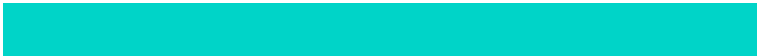
14.7319, 0.3127, 0.3290

Same Dimension

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



28.1417, 0.2294, 0.3457



51.0768, 0.2295, 0.3461



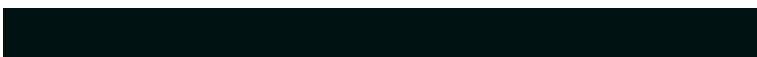
10.2558, 0.1841, 0.1824



8.0044, 0.2995, 0.3302



22.1718, 0.2293, 0.3456



0.4678, 0.2275, 0.3390

Inverse Universe

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



7.7089, 0.6328, 0.3262



13.9711, 0.6351, 0.3272



12.1114, 0.5580, 0.3949



7.0921, 0.3276, 0.3278



6.0693, 0.6323, 0.3257



0.1293, 0.5979, 0.3068

Previews

White Background



This preview shows how the Yxy color 28.1406, 0.2294, 0.3457 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 28.1406, 0.2294, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

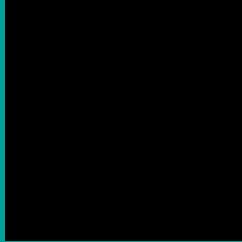
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1406, 0.2294, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 28.1406, 0.2294, 0.3457.

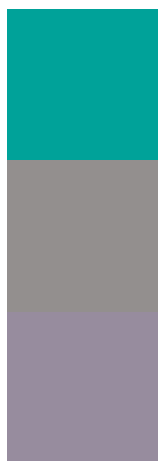


This preview shows how white text looks on a background with the Yxy color 28.1406, 0.2294, 0.3457.

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

28.1406, 0.2294, 0.3457

Protanopia

27.8010, 0.3180, 0.3306

Deuteranopia

27.8041, 0.3066, 0.3011



Tritanopia

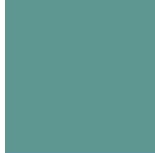
28.1681, 0.2236, 0.3057

Trichromacy



Original Color

28.1406, 0.2294, 0.3457



Protanomaly

26.2677, 0.2650, 0.3361



Deuteranomaly

26.0669, 0.2585, 0.3147



Tritanomaly

28.0524, 0.2249, 0.3196

Monochromacy



Original Color

28.1406, 0.2294, 0.3457



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.1688, 0.2567, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1406, 0.2294, 0.3457 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, 162, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 153)  
}
```

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, 162, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 153) }
```

Border

The CSS property to change the border of an element to Yxy 28.1406, 0.2294, 0.3457 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, 162, 153) }
```

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

```
.border{ border-color:rgb(0, 162, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1406, 0.2294, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 153) }
```

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

```
.background{ background-color: rgb(0, 162,  
153) }
```

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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