

Converting Colors

$Y_{xy}(29.8057, 0.2245, 0.3281)$

Have a look what the booklet for
 $\text{Yxy}(29.8057, 0.2245, 0.3281)$
contains.

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Color

$\text{Yxy}(29.6634, 0.2242, 0.3269)$

Conversions

Conversions Part 1	
Format	Color
Hex	01A5A6
RGB	1, 165, 166
RGB Percent	0%, 65%, 65%
CMY	0.9975, 0.3530, 0.3490
CMYK	1.00, 0.01, 0.00, 0.35
HSL	180°, 99%, 33%
HSV	180°, 100%, 65%
XYZ	20.3442, 29.6634, 40.7339
YIQ	116.0780, -98.0650, -34.4570

Conversions

Conversions Part 2

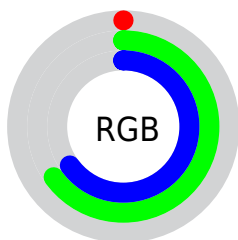
Format	Color
RYB	1, 83, 166
Decimal	107942
CIELab	61.36, -34.37, -10.73
CIELCh	61, 36.003, 197.333
Yxy	29.6634, 0.2242, 0.3269
Android (android.graphics.Color)	4278298022 (0xFF01A5A6)
YUV	116.0780, 24.6115, -100.9234
Hunter-Lab	54.4641, -28.6362, -6.2183

Details

The Yxy color **29.6634, 0.2242, 0.3269** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1452, 0.6388, 0.3304**, and the grayscale version is **17.3985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3663, 0.2416, 0.3288**, and **12.8032, 0.2232, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **29.6590, 0.2241, 0.3269**, and if you desaturate by 10%, it is **29.8187, 0.2259, 0.3271**.

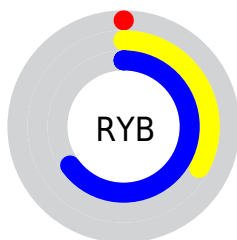
Distribution



Red (0%)

Green (65%)

Blue (65%)



Red (0%)

Yellow (33%)

Blue (65%)

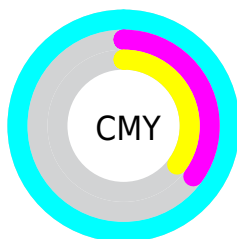


Cyan (100%)

Magenta (1%)

Yellow (0%)

Black (35%)



Cyan (100%)


Magenta (35%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6634, 0.2242, 0.3269 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 29.6634, 0.2242, 0.3269 by changing the saturation by 10% instead.

 29.6634, 0.2242,
0.3269


 29.6634, 0.2242,
0.3269


 300.3323, 0.2704,
0.3294


 19.5832, 0.2121,
0.3257


 59.1295, 0.2414,
0.3282

 12.0925, 0.1964,
0.3237


 79.2841, 0.2478,
0.3286

 6.8067, 0.1750,
0.3202


 103.5658, 0.2531,
0.3288

 3.3415, 0.1450,
0.3134

 132.3588, 0.2576,
0.3290

 1.3125, 0.0827,
0.3044

 166.0476, 0.2615,
0.3292

 0.1509, 0.0000,
0.1416

 205.0165, 0.2649,

 0.0000, 0.0000,

0.3293


0.0000


249.6499, 0.2678,
0.3293

 29.6634, 0.2242,
0.3269


 29.6634, 0.2242,
0.3269


 29.6590, 0.2241,
0.3269

 29.8187, 0.2259,
0.3271

 30.0715, 0.2289,
0.3273

 30.4604, 0.2336,
0.3275

 31.0027, 0.2403,
0.3277

 31.7133, 0.2487,
0.3280

■ 32.6051, 0.2590,
0.3282

■ 33.6900, 0.2708,
0.3284

■ 34.9787, 0.2840,
0.3286

■ 36.4813, 0.2982,
0.3288

Harmonies

Analogous

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



29.6634, 0.2631, 0.3865



29.6634, 0.2242, 0.3269



29.6634, 0.2084, 0.2754

Triad

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



29.6634, 0.2242, 0.3269



29.6634, 0.2990, 0.2501



29.6634, 0.4153, 0.4074

Complementary

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



29.6634, 0.2242, 0.3269



8.1452, 0.6388, 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.



29.6634, 0.4295, 0.3656



29.6634, 0.2242, 0.3269



29.6634, 0.3588, 0.2795

Square

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



29.6634, 0.2242, 0.3269



29.6634, 0.2482, 0.2375



29.6634, 0.4086, 0.3203



29.6634, 0.3735, 0.4334

Rectangle

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



29.6634, 0.2242, 0.3269



29.6634, 0.2114, 0.2526



29.6634, 0.4086, 0.3203



29.6634, 0.4237, 0.3945

Sweetspot

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



29.6645, 0.2242, 0.3269



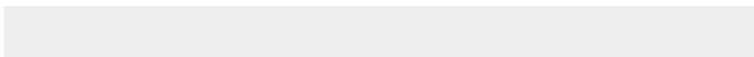
60.9366, 0.2696, 0.3284



27.2814, 0.3000, 0.5997



13.4511, 0.2647, 0.3283



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.



29.6645, 0.2242, 0.3269



53.8090, 0.2241, 0.3269



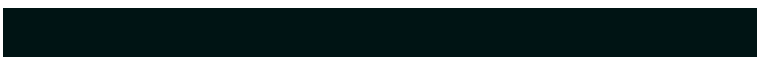
8.9931, 0.1778, 0.1598



8.5240, 0.2987, 0.3288



22.9989, 0.2241, 0.3269



0.5620, 0.2243, 0.3276

Inverse Universe

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



10.8380, 0.3224, 0.1551



19.6411, 0.3225, 0.1550



14.3449, 0.5387, 0.4100



7.6658, 0.3138, 0.3069



8.3928, 0.3224, 0.1550



0.2044, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 29.6634, 0.2242, 0.3269 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 29.6634, 0.2242, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

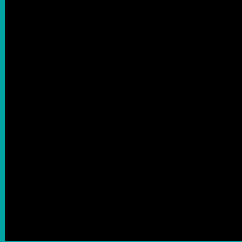
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6634, 0.2242, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 29.6634, 0.2242, 0.3269.

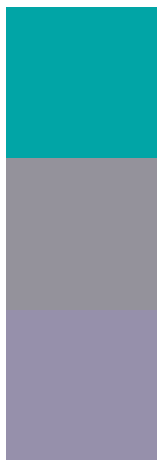


This preview shows how white text looks on a background with the Yxy color 29.6634, 0.2242, 0.3269.

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

29.6699, 0.2242, 0.3269

Protanopia

29.2202, 0.3062, 0.3149

Deuteranopia

29.3708, 0.2935, 0.2882



Tritanopia

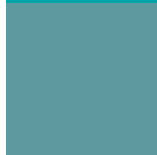
29.6299, 0.2213, 0.3044

Trichromacy



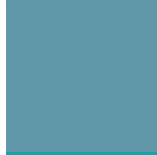
Original Color

29.6699, 0.2242, 0.3269



Protanomaly

27.6654, 0.2562, 0.3184



Deuteranomaly

27.8078, 0.2504, 0.3000



Tritanomaly

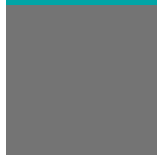
29.7065, 0.2221, 0.3129

Monochromacy



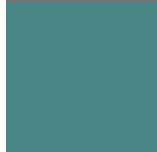
Original Color

29.6699, 0.2242, 0.3269



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.2273, 0.2545, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6634, 0.2242, 0.3269 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, 165, 166) looks like.

```
.text, #text, p{  
    color:rgb(1, 165, 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(1, 165, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 165, 166) }
```

Border

The CSS property to change the border of an element to Yxy 29.6634, 0.2242, 0.3269 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, 165, 166) }
```

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

```
.border{ border-color:rgb(1, 165, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 165, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 165, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 165, 166);  
box-shadow:4px 4px 4px 4px rgb(1, 165,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6634, 0.2242, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 165, 166) }
```

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

```
.background{ background-color: rgb(1, 165,  
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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