

Converting Colors

$Yxy(24.6636, 0.1562, 0.2788)$

Have a look what the booklet for
Yxy(24.6636, 0.1562, 0.2788)
contains.

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Color

$\text{Yxy}(28.6444, 0.2127, 0.2857)$

Conversions

Conversions Part 1

Format	Color
Hex	00A0B9
RGB	0, 160, 185
RGB Percent	0%, 63%, 73%
CMY	1.0000, 0.3725, 0.2746
CMYK	1.00, 0.13, 0.00, 0.27
HSL	188°, 100%, 36%
HSV	188°, 100%, 73%
XYZ	21.3254, 28.6444, 50.2906
YIQ	115.0100, -103.3850, -26.1450

Conversions

Conversions Part 2

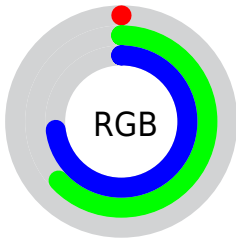
Format	Color
RYB	0, 86, 185
Decimal	41145
CIELab	60.47, -25.77, -22.76
CIELCh	60, 34.384, 221.448
Yxy	28.6444, 0.2127, 0.2857
Android (android.graphics.Color)	4278231225 (0xFF00A0B9)
YUV	115.0100, 34.5051, -100.8638
Hunter-Lab	53.5205, -22.5369, -18.2477

Details

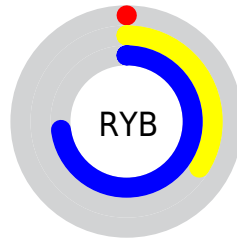
The Yxy color **28.6444, 0.2127, 0.2857** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0055, 0.6279, 0.3396**, and the grayscale version is **17.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4931, 0.2319, 0.2955**, and **12.3911, 0.2088, 0.2715** is the 20% darker color. If you saturate the color by 10%, you get **28.6454, 0.2127, 0.2857**, and if you desaturate by 10%, it is **29.6535, 0.2156, 0.2904**.

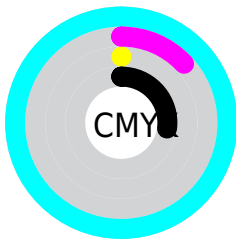
Distribution



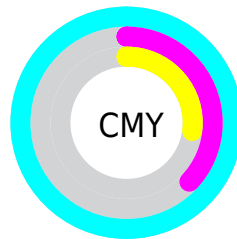
- Red (0%)
- Green (63%)
- Blue (73%)



- Red (0%)
- Yellow (34%)
- Blue (73%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (27%)




- Cyan (100%)
- Magenta (37%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6444, 0.2127, 0.2857 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 28.6444, 0.2127, 0.2857 by changing the saturation by 10% instead.


 28.6444, 0.2127,
0.2857


 28.6444, 0.2127,
0.2857


 295.5334, 0.2644,
0.3105

 18.8120, 0.1995,
0.2785


 57.5116, 0.2318,
0.2955

 11.5345, 0.1824,
0.2685


 77.3152, 0.2389,
0.2989


 6.4276, 0.1598,
0.2542


 101.2113, 0.2449,
0.3017

 3.1068, 0.1290,
0.2322

 129.5844, 0.2499,
0.3041

 1.1877, 0.0785,
0.1975

 162.8187, 0.2543,
0.3061

 0.0516, 0.0000,
0.0276

 201.2987, 0.2581,

 0.0000, 0.0000,

0.3078

0.0000

245.4088, 0.2615,
0.3092

■ 28.6444, 0.2127,
0.2857

■ 28.6444, 0.2127,
0.2857

■ 28.6454, 0.2127,
0.2857

■ 29.6535, 0.2156,
0.2904

■ 30.8053, 0.2200,
0.2951

■ 32.1480, 0.2263,
0.2998

■ 33.7046, 0.2345,
0.3045

■ 35.4948, 0.2444,
0.3091

■ 37.5359, 0.2560,
0.3136

■ 39.8434, 0.2689,
0.3179

■ 42.4316, 0.2828,
0.3219

■ 45.3135, 0.2975,
0.3256

Harmonies

Analogous

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



28.6444, 0.2328, 0.3385



28.6444, 0.2127, 0.2857



28.6444, 0.2163, 0.2518

Triad

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



28.6444, 0.2127, 0.2857



28.6444, 0.3461, 0.2744



28.6444, 0.3812, 0.4270

Complementary

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



28.6444, 0.2127, 0.2857



11.0055, 0.6279, 0.3396

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.



28.6444, 0.4172, 0.3980



28.6444, 0.2127, 0.2857



28.6444, 0.3976, 0.3124

Square

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



28.6444, 0.2127, 0.2857



28.6444, 0.2888, 0.2487



28.6444, 0.4243, 0.3561



28.6444, 0.3286, 0.4285

Rectangle

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



28.6444, 0.2127, 0.2857



28.6444, 0.2314, 0.2416



28.6444, 0.4243, 0.3561



28.6444, 0.3957, 0.4197

Sweetspot

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



28.6454, 0.2127, 0.2857



71.1647, 0.2682, 0.3177



34.7571, 0.2971, 0.5895



14.9583, 0.2627, 0.3159



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



28.6454, 0.2127, 0.2857



51.0647, 0.2125, 0.2850



7.6149, 0.1658, 0.1168



9.9983, 0.2985, 0.3258



19.5881, 0.2129, 0.2863



0.7483, 0.2162, 0.2983

Inverse Universe

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



12.8497, 0.3582, 0.1747



22.9945, 0.3589, 0.1751



23.0695, 0.5024, 0.4393



9.1413, 0.3158, 0.3095



8.7598, 0.3577, 0.1744



0.3146, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 28.6444, 0.2127, 0.2857 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 28.6444, 0.2127, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

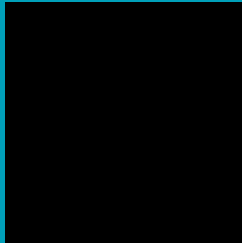
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6444, 0.2127, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 28.6444, 0.2127, 0.2857.

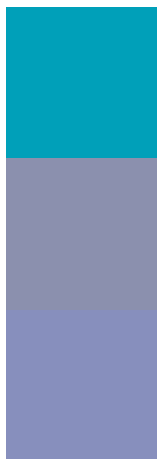


This preview shows how white text looks on a background with the Yxy color 28.6444, 0.2127, 0.2857.

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

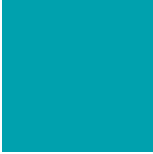
28.6444, 0.2127, 0.2857

Protanopia

28.4915, 0.2803, 0.2826

Deuteranopia

28.4699, 0.2646, 0.2598



Tritanopia

28.5457, 0.2182, 0.3056

Trichromacy



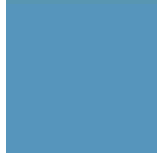
Original Color

28.6444, 0.2127, 0.2857



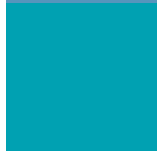
Protanomaly

27.1018, 0.2387, 0.2817



Deuteranomaly

27.1042, 0.2312, 0.2649



Tritanomaly

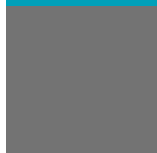
28.7041, 0.2164, 0.2988

Monochromacy



Original Color

28.6444, 0.2127, 0.2857



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.5425, 0.2480, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6444, 0.2127, 0.2857 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, 160, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 185)  
}
```

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, 160, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 185) }
```

Border

The CSS property to change the border of an element to Yxy 28.6444, 0.2127, 0.2857 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, 160, 185) }
```

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

```
.border{ border-color:rgb(0, 160, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6444, 0.2127, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 185) }
```

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

```
.background{ background-color: rgb(0, 160,  
185) }
```

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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