

Converting Colors

$Y_{xy}(40.2855, 0.2121, 0.2835)$

Have a look what the booklet for
Yxy(40.2855, 0.2121, 0.2835)
contains.

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Color

Yxy(40.1276, 0.2118, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	00BAD9
RGB	0, 186, 217
RGB Percent	0%, 73%, 85%
CMY	1.0000, 0.2705, 0.1491
CMYK	1.00, 0.14, 0.00, 0.15
HSL	189°, 100%, 43%
HSV	189°, 100%, 85%
XYZ	30.0744, 40.1276, 71.7923
YIQ	133.9200, -120.8070, -29.7910

Conversions

Conversions Part 2

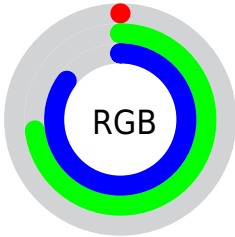
Format	Color
RYB	0, 100, 217
Decimal	47833
CIELab	69.56, -28.08, -26.56
CIELCh	70, 38.650, 223.403
Yxy	40.1276, 0.2118, 0.2826
Android (android.graphics.Color)	4278237913 (0xFF00BAD9)
YUV	133.9200, 40.9584, -117.4478
Hunter-Lab	63.3463, -26.1112, -22.8527

Details

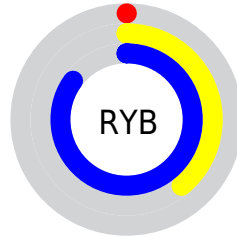
The Yxy color **40.1276, 0.2118, 0.2826** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.7270, 0.6281, 0.3395**, and the grayscale version is **23.6922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7884, 0.2368, 0.3134**, and **19.1112, 0.2081, 0.2693** is the 20% darker color. If you saturate the color by 10%, you get **40.1334, 0.2118, 0.2826**, and if you desaturate by 10%, it is **41.6196, 0.2147, 0.2876**.

Distribution



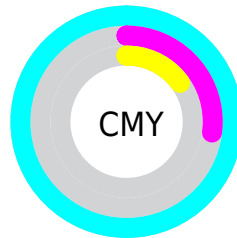
- Red (0%)
- Green (73%)
- Blue (85%)



- Red (0%)
- Yellow (39%)
- Blue (85%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1276, 0.2118, 0.2826 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 40.1276, 0.2118, 0.2826 by changing the saturation by 10% instead.


 40.1276, 0.2118,
0.2826


 40.1276, 0.2118,
0.2826


346.6611, 0.2611,
0.3077

 27.6380, 0.2001,
0.2759


 75.3578, 0.2293,
0.2921


 18.0530, 0.1854,
0.2670


 98.8672, 0.2360,
0.2956

 10.9880, 0.1667,
0.2549


 126.8187, 0.2418,
0.2984

 6.0588, 0.1422,
0.2377

 159.5966, 0.2467,
0.3009

 2.8809, 0.1097,
0.2117

 197.5855, 0.2510,
0.3030

 1.0699, 0.0518,
0.1730

241.1696, 0.2548,

 0.0000, 0.0000,

0.3048

0.0000

290.7333, 0.2581,
0.3063

■ 40.1276, 0.2118,
0.2826

■ 40.1276, 0.2118,
0.2826

■ 40.1334, 0.2118,
0.2826

■ 41.6196, 0.2147,
0.2876

■ 43.3222, 0.2191,
0.2926

■ 45.3032, 0.2254,
0.2977

■ 47.5973, 0.2336,
0.3028

■ 50.2340, 0.2436,
0.3077

■ 53.2388, 0.2553,
0.3125

■ 56.6348, 0.2684,
0.3171

■ 60.4432, 0.2825,
0.3214

■ 64.6834, 0.2974,
0.3254

Harmonies

Analogous

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



40.1276, 0.2304, 0.3347



40.1276, 0.2118, 0.2826



40.1276, 0.2169, 0.2500

Triad

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



40.1276, 0.2118, 0.2826



40.1276, 0.3500, 0.2763



40.1276, 0.3784, 0.4286

Complementary

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



40.1276, 0.2118, 0.2826



15.7270, 0.6281, 0.3395

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.



40.1276, 0.4161, 0.4007



40.1276, 0.2118, 0.2826



40.1276, 0.4007, 0.3151

Square

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



40.1276, 0.2118, 0.2826



40.1276, 0.2922, 0.2495



40.1276, 0.4254, 0.3591



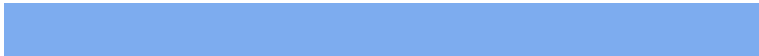
40.1276, 0.3250, 0.4278

Rectangle

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



40.1276, 0.2118, 0.2826



40.1276, 0.2331, 0.2407



40.1276, 0.4254, 0.3591



40.1276, 0.3934, 0.4217

Sweetspot

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



40.1334, 0.2118, 0.2826



81.4955, 0.2680, 0.3170



49.7044, 0.2974, 0.5906



16.9839, 0.2623, 0.3151



0.0000, 0.0000, 0.0000



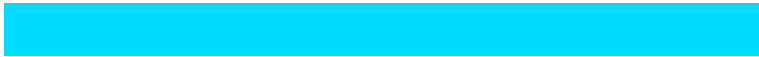
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1334, 0.2118, 0.2826



57.6795, 0.2117, 0.2822



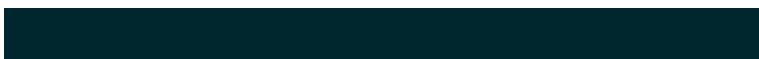
10.6818, 0.1653, 0.1150



14.4962, 0.2982, 0.3256



24.4183, 0.2120, 0.2833



1.6706, 0.2143, 0.2915

Inverse Universe

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



18.2947, 0.3611, 0.1763



26.3539, 0.3615, 0.1765



32.7602, 0.5034, 0.4385



13.2412, 0.3159, 0.3092



11.0888, 0.3604, 0.1759



0.7273, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 40.1276, 0.2118, 0.2826 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 40.1276, 0.2118, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

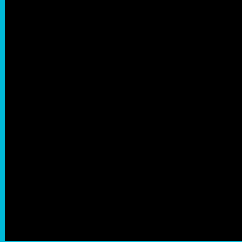
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1276, 0.2118, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 40.1276, 0.2118, 0.2826.



This preview shows how white text looks on a background with the Yxy color 40.1276, 0.2118, 0.2826.

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

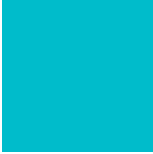
40.1276, 0.2118, 0.2826

Protanopia

39.5741, 0.2782, 0.2793

Deuteranopia

39.7145, 0.2626, 0.2561



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.1276, 0.2118, 0.2826



Protanomaly

37.7003, 0.2367, 0.2778



Deuteranomaly

37.7638, 0.2298, 0.2620



Tritanomaly

40.0947, 0.2158, 0.2967

Monochromacy



Original Color

40.1276, 0.2118, 0.2826



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.3941, 0.2468, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1276, 0.2118, 0.2826 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, 186, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 217)  
}
```

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, 186, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 217) }
```

Border

The CSS property to change the border of an element to Yxy 40.1276, 0.2118, 0.2826 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, 186, 217) }
```

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

```
.border{ border-color:rgb(0, 186, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1276, 0.2118, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 217) }
```

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

```
.background{ background-color: rgb(0, 186,  
217) }
```

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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