

Converting Colors

$Y_{xy}(40.7090, 0.2002, 0.2859)$

Have a look what the booklet for
Yxy(40.7090, 0.2002, 0.2859)
contains.

Yxy(41.9414, 0.2128, 0.2861)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.9414, 0.2128, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	00BEDB
RGB	0, 190, 219
RGB Percent	0%, 75%, 86%
CMY	1.0000, 0.2549, 0.1412
CMYK	1.00, 0.13, 0.00, 0.14
HSL	188°, 100%, 43%
HSV	188°, 100%, 86%
XYZ	31.1958, 41.9414, 73.4598
YIQ	136.4960, -122.5490, -31.2610

Conversions

Conversions Part 2

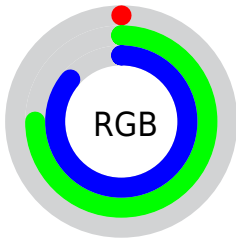
Format	Color
RYB	0, 102, 219
Decimal	48859
CIELab	70.83, -29.37, -25.70
CIELCh	71, 39.031, 221.190
Yxy	41.9414, 0.2128, 0.2861
Android (android.graphics.Color)	4278238939 (0xFF00BEDB)
YUV	136.4960, 40.6745, -119.7070
Hunter-Lab	64.7622, -27.3506, -21.9191

Details

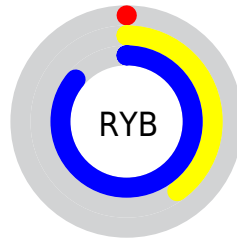
The Yxy color **41.9414, 0.2128, 0.2861** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.9359, 0.6295, 0.3384**, and the grayscale version is **24.6964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8673, 0.2384, 0.3194**, and **20.2887, 0.2095, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **41.9442, 0.2128, 0.2861**, and if you desaturate by 10%, it is **43.3816, 0.2155, 0.2907**.

Distribution



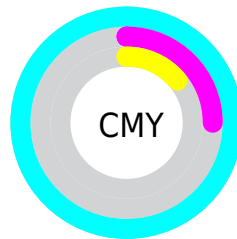
- Red (0%)
- Green (75%)
- Blue (86%)



- Red (0%)
- Yellow (40%)
- Blue (86%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9414, 0.2128, 0.2861 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 41.9414, 0.2128, 0.2861 by changing the saturation by 10% instead.

41.9414, 0.2128,
0.2861

41.9414, 0.2128,
0.2861

354.2400, 0.2613,
0.3093

29.0554, 0.2013,
0.2799

78.1109, 0.2300,
0.2949

19.1227, 0.1870,
0.2717

102.1633, 0.2366,
0.2981

11.7590, 0.1688,
0.2605

130.7065, 0.2422,
0.3007

6.5798, 0.1451,
0.2446

164.1250, 0.2471,
0.3030

3.2007, 0.1135,
0.2206

202.8032, 0.2513,
0.3049

1.2374, 0.0628,
0.1838

247.1255, 0.2550,

0.0919, 0.0000,

0.3066

0.0396

297.4763, 0.2584,
0.3080

■ 0.0000, 0.0000,
0.0000

■ 41.9414, 0.2128,
0.2861

■ 41.9414, 0.2128,
0.2861

■ 41.9442, 0.2128,
0.2861

■ 43.3816, 0.2155,
0.2907

■ 45.0363, 0.2198,
0.2954

■ 46.9713, 0.2259,
0.3000

■ 49.2223, 0.2340,
0.3047

■ 51.8192, 0.2439,
0.3093

■ 54.7882, 0.2555,
0.3137

■ 58.1529, 0.2684,
0.3180

■ 61.9348, 0.2825,
0.3219

■ 66.1538, 0.2974,
0.3256

Harmonies

Analogous

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



41.9414, 0.2331, 0.3390



41.9414, 0.2128, 0.2861



41.9414, 0.2162, 0.2520

Triad

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



41.9414, 0.2128, 0.2861



41.9414, 0.3456, 0.2741



41.9414, 0.3816, 0.4268

Complementary

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



41.9414, 0.2128, 0.2861



15.9359, 0.6295, 0.3384

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.



41.9414, 0.4174, 0.3976



41.9414, 0.2128, 0.2861



41.9414, 0.3972, 0.3120

Square

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



41.9414, 0.2128, 0.2861



41.9414, 0.2883, 0.2485



41.9414, 0.4241, 0.3557



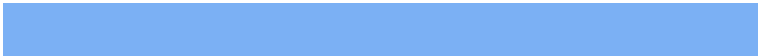
41.9414, 0.3291, 0.4286

Rectangle

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



41.9414, 0.2128, 0.2861



41.9414, 0.2312, 0.2417



41.9414, 0.4241, 0.3557



41.9414, 0.3960, 0.4194

Sweetspot

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



41.9442, 0.2128, 0.2861



81.9743, 0.2681, 0.3179



50.7291, 0.2979, 0.5924



17.0998, 0.2624, 0.3161



0.0000, 0.0000, 0.0000



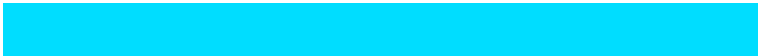
21.4041, 0.3127, 0.3290

Same Dimension

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



41.9442, 0.2128, 0.2861



59.0675, 0.2127, 0.2857



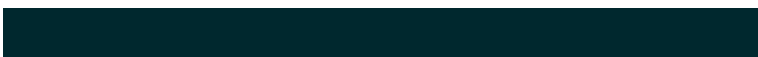
11.4460, 0.1665, 0.1195



14.5203, 0.2982, 0.3258



24.9903, 0.2130, 0.2868



1.7023, 0.2151, 0.2943

Inverse Universe

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



18.7762, 0.3579, 0.1745



26.4940, 0.3582, 0.1747



32.3979, 0.5082, 0.4347



13.2436, 0.3158, 0.3090



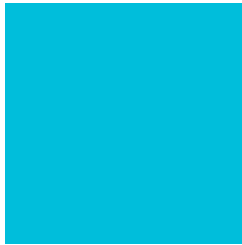
11.1465, 0.3572, 0.1742



0.7305, 0.3505, 0.1704

Previews

White Background



This preview shows how the Yxy color 41.9414, 0.2128, 0.2861 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 41.9414, 0.2128, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

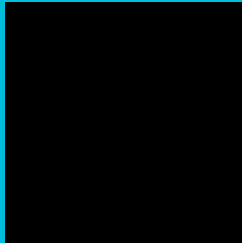
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9414, 0.2128, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 41.9414, 0.2128, 0.2861.

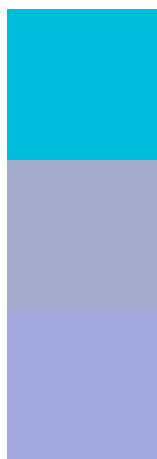


This preview shows how white text looks on a background with the Yxy color 41.9414, 0.2128, 0.2861.

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

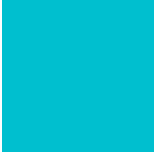
41.9414, 0.2128, 0.2861

Protanopia

41.5329, 0.2810, 0.2840

Deuteranopia

41.3348, 0.2647, 0.2584



Tritanopia

41.7666, 0.2179, 0.3045

Trichromacy



Original Color

41.9414, 0.2128, 0.2861



Protanomaly

39.4972, 0.2389, 0.2827



Deuteranomaly

39.5430, 0.2310, 0.2656



Tritanomaly

41.9648, 0.2163, 0.2987

Monochromacy



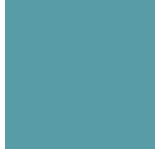
Original Color

41.9414, 0.2128, 0.2861



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.5563, 0.2477, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9414, 0.2128, 0.2861 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, 190, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 219)  
}
```

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, 190, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.9414, 0.2128, 0.2861 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, 190, 219) }
```

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

```
.border{ border-color:rgb(0, 190, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9414, 0.2128, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 219) }
```

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

```
.background{ background-color: rgb(0, 190,  
219) }
```

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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