

Converting Colors

$Yxy(42.1791, 0.2151, 0.2811)$

Have a look what the booklet for
Yxy(42.1791, 0.2151, 0.2811)
contains.

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Color

Yxy(42.1005, 0.2150, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	27BDDE
RGB	39, 189, 222
RGB Percent	15%, 74%, 87%
CMY	0.8467, 0.2588, 0.1293
CMYK	0.82, 0.15, 0.00, 0.13
HSL	191°, 74%, 51%
HSV	191°, 82%, 87%
XYZ	32.2236, 42.1005, 75.5531
YIQ	147.9120, -99.9930, -21.5370

Conversions

Conversions Part 2

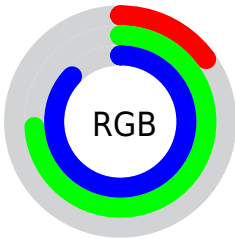
Format	Color
R _Y B	39, 121, 222
Decimal	2604510
CIE Lab	70.94, -26.10, -27.17
CIE LCh	71, 37.671, 226.148
Yxy	42.1005, 0.2150, 0.2809
Android (android.graphics.Color)	4280794590 (0xFF27BDDE)
YUV	147.9120, 36.5254, -95.5158
Hunter-Lab	64.8849, -24.9006, -23.6189

Details

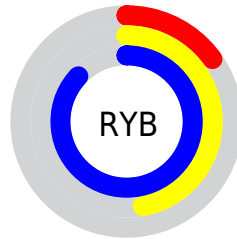
The Yxy color **42.1005, 0.2150, 0.2809** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **20.3297, 0.5731, 0.3550**, and the grayscale version is **29.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9134, 0.2414, 0.3183**, and **20.1180, 0.2075, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **40.0863, 0.2106, 0.2744**, and if you desaturate by 10%, it is **44.4187, 0.2213, 0.2875**.

Distribution



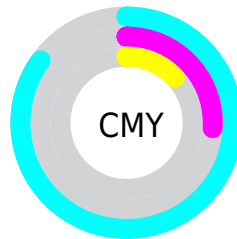
- Red (15%)
- Green (74%)
- Blue (87%)



- Red (15%)
- Yellow (47%)
- Blue (87%)



- Cyan (82%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)





- Cyan (85%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1005, 0.2150, 0.2809 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 42.1005, 0.2150, 0.2809 by changing the saturation by 10% instead.


 42.1005, 0.2150,
0.2809

 42.1005, 0.2150,
0.2809

354.8994, 0.2624,
0.3065


 29.1800, 0.2038,
0.2742


 78.3517, 0.2318,
0.2905


 19.2170, 0.1898,
0.2654


 102.4512, 0.2382,
0.2940

 11.8272, 0.1720,
0.2535


 131.0458, 0.2438,
0.2970

 6.6261, 0.1487,
0.2368

 164.5199, 0.2485,
0.2994

 3.2294, 0.1178,
0.2120

 203.2579, 0.2527,
0.3016

 1.2526, 0.0714,
0.1741

247.6443, 0.2563,

 0.1041, 0.0000,

0.3034

0.0409

298.0633, 0.2595,
0.3051

0.0000, 0.0000,
0.0000

42.1005, 0.2150,
0.2809

42.1005, 0.2150,
0.2809

40.0863, 0.2106,
0.2744

44.4187, 0.2213,
0.2875

38.7072, 0.2082,
0.2695

47.0752, 0.2296,
0.2940

50.1041, 0.2398,
0.3004

53.5334, 0.2515,
0.3066

57.3885, 0.2646,
0.3125

61.6921, 0.2788,
0.3181

66.4656, 0.2937,
0.3232

71.7285, 0.3090,
0.3279

77.4995, 0.3245,
0.3322

Harmonies

Analogous

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



42.1005, 0.2310, 0.3296



42.1005, 0.2150, 0.2809



42.1005, 0.2220, 0.2513

Triad

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



42.1005, 0.2150, 0.2809



42.1005, 0.3536, 0.2814



42.1005, 0.3717, 0.4258

Complementary

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



42.1005, 0.2150, 0.2809



20.3297, 0.5731, 0.3550

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.



42.1005, 0.4097, 0.4014



42.1005, 0.2150, 0.2809



42.1005, 0.4005, 0.3196

Square

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



42.1005, 0.2150, 0.2809



42.1005, 0.2980, 0.2541



42.1005, 0.4213, 0.3622



42.1005, 0.3198, 0.4216

Rectangle

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



42.1005, 0.2150, 0.2809



42.1005, 0.2390, 0.2435



42.1005, 0.4213, 0.3622



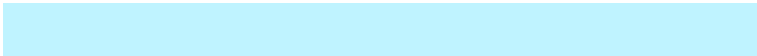
42.1005, 0.3866, 0.4202

Sweetspot

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



42.1020, 0.2150, 0.2809



82.7239, 0.2748, 0.3166



53.1264, 0.2933, 0.5552



17.2579, 0.2697, 0.3146



0.0000, 0.0000, 0.0000



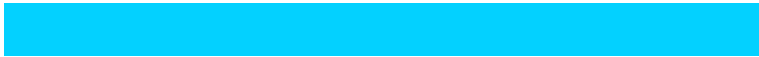
21.4041, 0.3127, 0.3290

Same Dimension

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



42.1020, 0.2150, 0.2809



53.0446, 0.2084, 0.2696



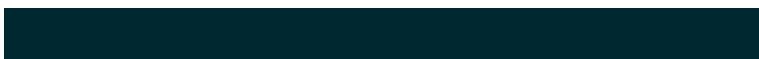
14.8344, 0.1780, 0.1420



15.1294, 0.2982, 0.3247



23.1347, 0.2085, 0.2705



1.7147, 0.2112, 0.2804

Inverse Universe

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



20.6640, 0.3617, 0.1866



25.9397, 0.3731, 0.1832



41.1860, 0.4700, 0.4475



13.8909, 0.3165, 0.3100



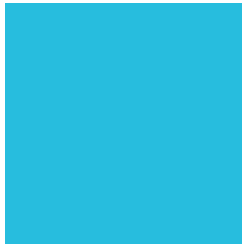
11.2435, 0.3724, 0.1825



0.7906, 0.3631, 0.1774

Previews

White Background



This preview shows how the Yxy color 42.1005, 0.2150, 0.2809 looks on a white background.

Color Contrast Check

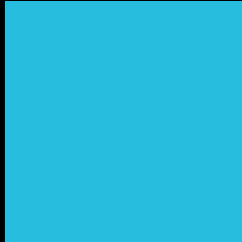
Large Text (above 18pt) WCAG AA × Fail

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 42.1005, 0.2150, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

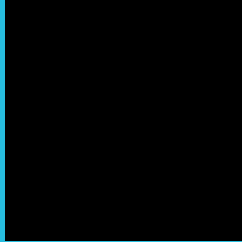
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1005, 0.2150, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 42.1005, 0.2150, 0.2809.



This preview shows how white text looks on a background with the Yxy color 42.1005, 0.2150, 0.2809.

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

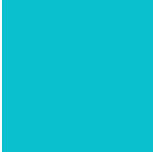
42.1005, 0.2150, 0.2809

Protanopia

41.6218, 0.2774, 0.2790

Deuteranopia

41.3405, 0.2627, 0.2561



Tritanopia

42.2688, 0.2189, 0.3061

Trichromacy



Original Color

42.1005, 0.2150, 0.2809



Protanomaly

40.6178, 0.2445, 0.2785



Deuteranomaly

40.1999, 0.2365, 0.2617



Tritanomaly

42.1745, 0.2174, 0.2974

Monochromacy



Original Color

42.1005, 0.2150, 0.2809



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.4777, 0.2576, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1005, 0.2150, 0.2809 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(39, 189, 222)` looks like.

```
.text, #text, p{  
    color:rgb(39, 189, 222)  
}
```

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(39, 189, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 189, 222) }
```

Border

The CSS property to change the border of an element to Yxy 42.1005, 0.2150, 0.2809 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(39, 189, 222) }
```

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

```
.border{ border-color:rgb(39, 189, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 189, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 189, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 189, 222);  
box-shadow:4px 4px 4px 4px rgb(39, 189,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1005, 0.2150, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 189, 222) }
```

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

```
.background{ background-color: rgb(39, 189,  
222) }
```

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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