

Converting Colors

$Y_{xy}(46.1664, 0.2150, 0.2800)$

Have a look what the booklet for
Yxy(46.1664, 0.2150, 0.2800)
contains.

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Color

Yxy(46.2723, 0.2151, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	2BC5E8
RGB	43, 197, 232
RGB Percent	17%, 77%, 91%
CMY	0.8303, 0.2275, 0.0902
CMYK	0.81, 0.15, 0.00, 0.09
HSL	191°, 80%, 54%
HSV	191°, 81%, 91%
XYZ	35.5344, 46.2723, 83.3926
YIQ	154.9440, -103.0190, -21.7630

Conversions

Conversions Part 2

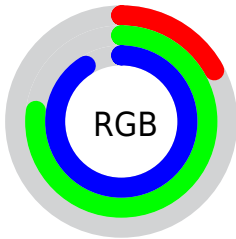
Format	Color
R _Y B	43, 128, 232
Decimal	2868712
CIE _{Lab}	73.72, -26.54, -28.29
CIE _{LCh}	74, 38.790, 226.837
Y _{xy}	46.2723, 0.2151, 0.2801
Android (android.graphics.Color)	4281058792 (0xFF2BC5E8)
YUV	154.9440, 37.9886, -98.1749
Hunter-Lab	68.0237, -25.7964, -25.0690

Details

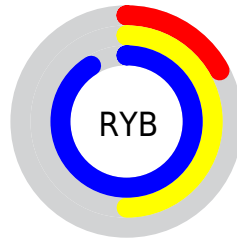
The Yxy color **46.2723, 0.2151, 0.2801** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **22.8168, 0.5691, 0.3561**, and the grayscale version is **32.6500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1686, 0.2447, 0.3277**, and **22.7795, 0.2078, 0.2681** is the 20% darker color. If you saturate the color by 10%, you get **43.9781, 0.2104, 0.2734**, and if you desaturate by 10%, it is **48.9107, 0.2217, 0.2869**.

Distribution



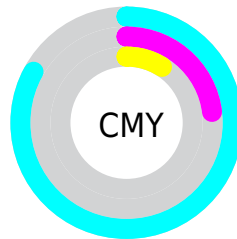
- Red (17%)
- Green (77%)
- Blue (91%)



- Red (17%)
- Yellow (50%)
- Blue (91%)



- Cyan (81%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)




- Cyan (83%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2723, 0.2151, 0.2801 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 46.2723, 0.2151, 0.2801 by changing the saturation by 10% instead.


 46.2723, 0.2151,
0.2801

 46.2723, 0.2151,
0.2801


371.9023, 0.2617,
0.3057


 32.4608, 0.2043,
0.2735


 84.6264, 0.2315,
0.2896


 21.7137, 0.1909,
0.2650


 109.9377, 0.2378,
0.2931


 13.6467, 0.1740,
0.2537


 139.8510, 0.2432,
0.2960

 7.8753, 0.1522,
0.2380

 174.7508, 0.2479,
0.2985

 4.0153, 0.1234,
0.2152

 215.0215, 0.2520,
0.3007

 1.6821, 0.0854,
0.1804

261.0473, 0.2556,

 0.4120, 0.0000,

0.3026

0.1113

313.2128, 0.2588,
0.3042

■ 0.0000, 0.0000,
0.0000

■ 46.2723, 0.2151,
0.2801

■ 46.2723, 0.2151,
0.2801

■ 43.9781, 0.2104,
0.2734

■ 48.9107, 0.2217,
0.2869

■ 42.2071, 0.2077,
0.2676

■ 51.9310, 0.2302,
0.2936

■ 55.3703, 0.2406,
0.3002

■ 59.2597, 0.2526,
0.3066

■ 63.6270, 0.2659,
0.3127

■ 68.4977, 0.2802,
0.3183

■ 73.8950, 0.2952,
0.3236

■ 79.8410, 0.3106,
0.3284

■ 86.3559, 0.3261,
0.3327

Harmonies

Analogous

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



46.2723, 0.2305, 0.3283



46.2723, 0.2151, 0.2801



46.2723, 0.2226, 0.2510

Triad

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



46.2723, 0.2151, 0.2801



46.2723, 0.3548, 0.2822



46.2723, 0.3705, 0.4259

Complementary

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



46.2723, 0.2151, 0.2801



22.8168, 0.5691, 0.3561

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.



46.2723, 0.4089, 0.4020



46.2723, 0.2151, 0.2801



46.2723, 0.4011, 0.3205

Square

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



46.2723, 0.2151, 0.2801



46.2723, 0.2993, 0.2547



46.2723, 0.4212, 0.3631



46.2723, 0.3185, 0.4209

Rectangle

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



46.2723, 0.2151, 0.2801



46.2723, 0.2399, 0.2435



46.2723, 0.4212, 0.3631



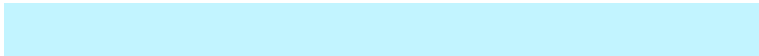
46.2723, 0.3855, 0.4205

Sweetspot

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



46.2740, 0.2151, 0.2801



83.1545, 0.2762, 0.3168



58.7740, 0.2922, 0.5499



17.3337, 0.2710, 0.3148



0.0000, 0.0000, 0.0000



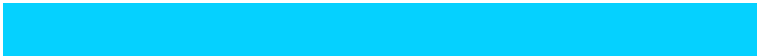
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2740, 0.2151, 0.2801



52.6866, 0.2082, 0.2686



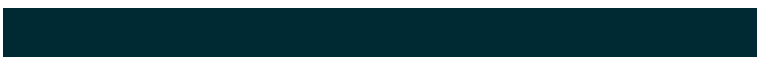
16.0515, 0.1779, 0.1398



15.8580, 0.2981, 0.3245



23.6075, 0.2080, 0.2687



1.8627, 0.2107, 0.2785

Inverse Universe

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



22.9321, 0.3623, 0.1879



25.9573, 0.3741, 0.1840



46.9218, 0.4654, 0.4501



14.5670, 0.3166, 0.3101



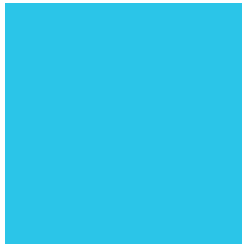
11.5809, 0.3740, 0.1834



0.8677, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 46.2723, 0.2151, 0.2801 looks on a white background.

Color Contrast Check

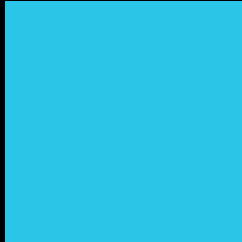
Large Text (above 18pt) WCAG AA × Fail

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 46.2723, 0.2151, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

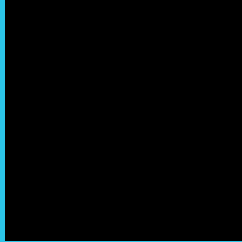
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2723, 0.2151, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 46.2723, 0.2151, 0.2801.



This preview shows how white text looks on a background with the Yxy color 46.2723, 0.2151, 0.2801.

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

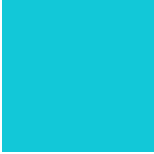
46.2723, 0.2151, 0.2801

Protanopia

45.6132, 0.2765, 0.2772

Deuteranopia

45.6657, 0.2613, 0.2553



Tritanopia

46.3950, 0.2193, 0.3055

Trichromacy



Original Color

46.2723, 0.2151, 0.2801



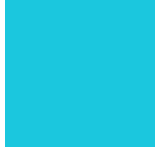
Protanomaly

44.4397, 0.2443, 0.2765



Deuteranomaly

44.3441, 0.2362, 0.2618



Tritanomaly

46.3538, 0.2174, 0.2959

Monochromacy



Original Color

46.2723, 0.2151, 0.2801



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.7458, 0.2580, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2723, 0.2151, 0.2801 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(43, 197, 232)` looks like.

```
.text, #text, p{  
  color:rgb(43, 197, 232)  
}
```

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(43, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 197, 232) }
```

Border

The CSS property to change the border of an element to Yxy 46.2723, 0.2151, 0.2801 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(43, 197, 232) }
```

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

```
.border{ border-color:rgb(43, 197, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(43, 197,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2723, 0.2151, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 197, 232) }
```

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

```
.background{ background-color: rgb(43, 197,  
232) }
```

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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