

Converting Colors

$Y_{xy}(46.7667, 0.2144, 0.2795)$

Have a look what the booklet for
Yxy(46.7667, 0.2144, 0.2795)
contains.

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Color

Yxy(46.7798, 0.2142, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	28C6EA
RGB	40, 198, 234
RGB Percent	16%, 78%, 92%
CMY	0.8438, 0.2235, 0.0824
CMYK	0.83, 0.15, 0.00, 0.08
HSL	191°, 82%, 54%
HSV	191°, 83%, 92%
XYZ	35.9148, 46.7798, 84.9749
YIQ	154.8620, -105.7240, -22.3000

Conversions

Conversions Part 2

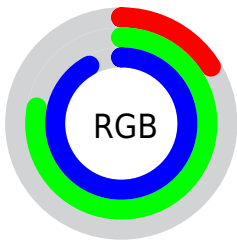
Format	Color
R _Y B	40, 127, 234
Decimal	2672362
CIE Lab	74.05, -26.66, -28.88
CIE LCh	74, 39.306, 227.286
Yxy	46.7798, 0.2142, 0.2790
Android (android.graphics.Color)	4280862442 (0xFF28C6EA)
YUV	154.8620, 39.0150, -100.7340
Hunter-Lab	68.3958, -25.9617, -25.7849

Details

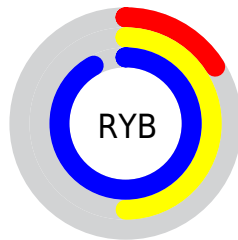
The Yxy color **46.7798, 0.2142, 0.2790** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **22.7893, 0.5752, 0.3554**, and the grayscale version is **32.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **23.1609, 0.2075, 0.2668** is the 20% darker color. If you saturate the color by 10%, you get **44.4930, 0.2099, 0.2723**, and if you desaturate by 10%, it is **49.4096, 0.2205, 0.2858**.

Distribution



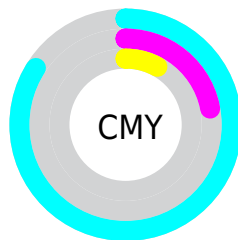
- Red (16%)
- Green (78%)
- Blue (92%)



- Red (16%)
- Yellow (50%)
- Blue (92%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)





- Cyan (84%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7798, 0.2142, 0.2790 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 46.7798, 0.2142, 0.2790 by changing the saturation by 10% instead.


 46.7798, 0.2142,
0.2790


 46.7798, 0.2142,
0.2790


373.9349, 0.2611,
0.3051


 32.8616, 0.2033,
0.2723


 85.3848, 0.2306,
0.2886


 22.0205, 0.1899,
0.2637


 110.8405, 0.2370,
0.2922

 13.8719, 0.1731,
0.2523


 140.9107, 0.2424,
0.2952

 8.0316, 0.1513,
0.2365

 175.9800, 0.2472,
0.2978

 4.1152, 0.1228,
0.2136

 216.4326, 0.2513,
0.3000

 1.7382, 0.0852,
0.1789

262.6531, 0.2550,

 0.4482, 0.0000,

0.3019

0.1142

315.0257, 0.2582,
0.3036

■ 0.0000, 0.0000,
0.0000

■ 46.7798, 0.2142,
0.2790

■ 46.7798, 0.2142,
0.2790

■ 44.4930, 0.2099,
0.2723

■ 49.4096, 0.2205,
0.2858

■ 43.0391, 0.2077,
0.2676

■ 52.4226, 0.2287,
0.2925

■ 55.8575, 0.2388,
0.2992

■ 59.7469, 0.2505,
0.3056

■ 64.1195, 0.2637,
0.3117

■ 69.0017, 0.2778,
0.3174

■ 74.4177, 0.2928,
0.3228

■ 80.3900, 0.3081,
0.3276

■ 86.9398, 0.3236,
0.3321

Harmonies

Analogous

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



46.7798, 0.2294, 0.3274



46.7798, 0.2142, 0.2790



46.7798, 0.2221, 0.2500

Triad

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



46.7798, 0.2142, 0.2790



46.7798, 0.3560, 0.2823



46.7798, 0.3703, 0.4270

Complementary

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



46.7798, 0.2142, 0.2790



22.7893, 0.5752, 0.3554

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.



46.7798, 0.4094, 0.4032



46.7798, 0.2142, 0.2790



46.7798, 0.4025, 0.3210

Square

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



46.7798, 0.2142, 0.2790



46.7798, 0.2999, 0.2544



46.7798, 0.4223, 0.3640



46.7798, 0.3177, 0.4215

Rectangle

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



46.7798, 0.2142, 0.2790



46.7798, 0.2397, 0.2427



46.7798, 0.4223, 0.3640



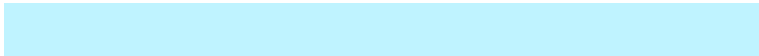
46.7798, 0.3855, 0.4217

Sweetspot

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



46.7815, 0.2142, 0.2790



82.5403, 0.2747, 0.3162



59.8057, 0.2924, 0.5538



17.2135, 0.2697, 0.3142



0.0000, 0.0000, 0.0000



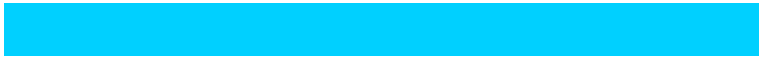
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7815, 0.2142, 0.2790



52.2034, 0.2076, 0.2673



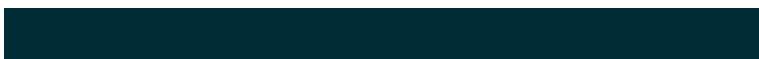
15.7589, 0.1760, 0.1359



16.6195, 0.2981, 0.3245



24.3594, 0.2080, 0.2687



2.0357, 0.2105, 0.2779

Inverse Universe

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



23.0766, 0.3635, 0.1869



25.8011, 0.3754, 0.1842



47.3453, 0.4680, 0.4507



15.2631, 0.3166, 0.3100



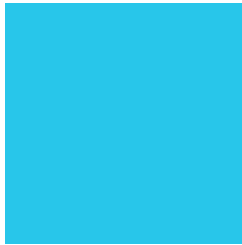
11.9519, 0.3741, 0.1834



0.9509, 0.3654, 0.1786

Previews

White Background



This preview shows how the Yxy color 46.7798, 0.2142, 0.2790 looks on a white background.

Color Contrast Check

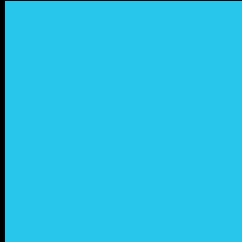
Large Text (above 18pt) WCAG AA × Fail

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 46.7798, 0.2142, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

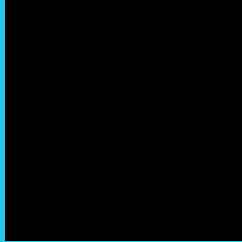
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7798, 0.2142, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 46.7798, 0.2142, 0.2790.

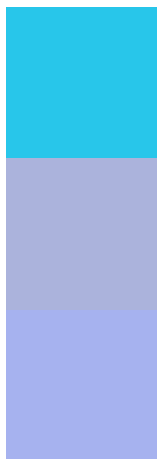


This preview shows how white text looks on a background with the Yxy color 46.7798, 0.2142, 0.2790.

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

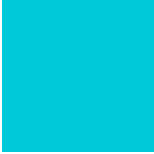
46.7798, 0.2142, 0.2790

Protanopia

46.0654, 0.2760, 0.2774

Deuteranopia

46.1798, 0.2602, 0.2544



Tritanopia

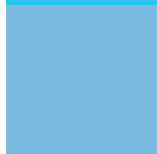
46.7830, 0.2182, 0.3056

Trichromacy



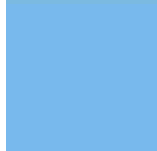
Original Color

46.7798, 0.2142, 0.2790



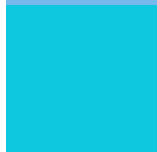
Protanomaly

44.7650, 0.2429, 0.2765



Deuteranomaly

44.8054, 0.2350, 0.2608



Tritanomaly

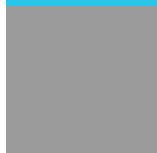
46.7296, 0.2163, 0.2959

Monochromacy



Original Color

46.7798, 0.2142, 0.2790



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.0972, 0.2569, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7798, 0.2142, 0.2790 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(40, 198, 234)` looks like.

```
.text, #text, p{  
    color:rgb(40, 198, 234)  
}
```

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(40, 198, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 198, 234) }
```

Border

The CSS property to change the border of an element to Yxy 46.7798, 0.2142, 0.2790 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(40, 198, 234) }
```

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

```
.border{ border-color:rgb(40, 198, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 198, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 198, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 198, 234);  
box-shadow:4px 4px 4px 4px rgb(40, 198,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7798, 0.2142, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 198, 234) }
```

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

```
.background{ background-color: rgb(40, 198,  
234) }
```

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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