

Converting Colors

$Y_{xy}(28.7523, 0.2119, 0.2723)$

Have a look what the booklet for
Yxy(28.7523, 0.2119, 0.2723)
contains.

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Color

Yxy(28.8489, 0.2122, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	1C9FC0
RGB	28, 159, 192
RGB Percent	11%, 62%, 75%
CMY	0.8915, 0.3764, 0.2471
CMYK	0.86, 0.17, 0.00, 0.25
HSL	192°, 75%, 43%
HSV	192°, 86%, 75%
XYZ	22.3829, 28.8489, 54.2486
YIQ	123.5930, -88.6690, -17.5090

Conversions

Conversions Part 2

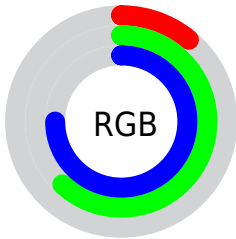
Format	Color
R _Y B	28, 101, 192
Decimal	1875904
CIE Lab	60.65, -21.61, -26.40
CIE LCh	61, 34.119, 230.694
Yxy	28.8489, 0.2122, 0.2735
Android (android.graphics.Color)	4280065984 (0xFF1C9FC0)
YUV	123.5930, 33.7247, -83.8351
Hunter-Lab	53.7112, -19.6086, -22.2854

Details

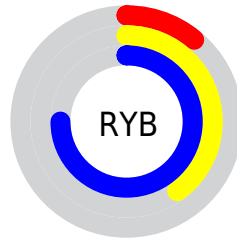
The Yxy color **28.8489, 0.2122, 0.2735** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.5854, 0.5778, 0.3573**, and the grayscale version is **19.8901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9359, 0.2311, 0.2851**, and **12.3504, 0.2047, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **27.3579, 0.2080, 0.2663**, and if you desaturate by 10%, it is **30.5546, 0.2183, 0.2808**.

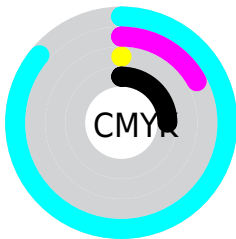
Distribution



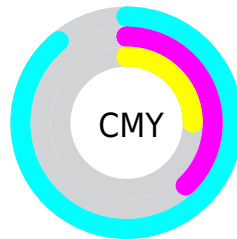
- Red (11%)
- Green (62%)
- Blue (75%)



- Red (11%)
- Yellow (40%)
- Blue (75%)



- Cyan (86%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)





- Cyan (89%)
- Magenta (38%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8489, 0.2122, 0.2735 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 28.8489, 0.2122, 0.2735 by changing the saturation by 10% instead.


 28.8489, 0.2122,
0.2735


 28.8489, 0.2122,
0.2735


296.5014, 0.2640,
0.3044


 18.9665, 0.1990,
0.2648


 57.8369, 0.2313,
0.2855

 11.6461, 0.1821,
0.2531


 77.7114, 0.2384,
0.2898

 6.5032, 0.1599,
0.2366

 101.6854, 0.2443,
0.2933

 3.1534, 0.1297,
0.2121

 130.1432, 0.2494,
0.2963

 1.2123, 0.0852,
0.1742

 163.4693, 0.2538,
0.2988

 0.0717, 0.0000,
0.0305

202.0481, 0.2577,

 0.0000, 0.0000,

0.3009

0.0000

246.2640, 0.2610,
0.3028

■ 28.8489, 0.2122,
0.2735

■ 28.8489, 0.2122,
0.2735

■ 27.3579, 0.2080,
0.2663

■ 30.5546, 0.2183,
0.2808

■ 26.7409, 0.2064,
0.2631

■ 32.5012, 0.2263,
0.2881

■ 34.7137, 0.2361,
0.2952

■ 37.2126, 0.2476,
0.3022

■ 40.0161, 0.2605,
0.3088

■ 43.1409, 0.2744,
0.3151

■ 46.6021, 0.2891,
0.3209

■ 50.4142, 0.3042,
0.3262

■ 54.5902, 0.3195,
0.3311

Harmonies

Analogous

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



28.8489, 0.2249, 0.3210



28.8489, 0.2122, 0.2735



28.8489, 0.2229, 0.2466

Triad

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



28.8489, 0.2122, 0.2735



28.8489, 0.3631, 0.2855



28.8489, 0.3656, 0.4301

Complementary

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



28.8489, 0.2122, 0.2735



14.5854, 0.5778, 0.3573

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.



28.8489, 0.4078, 0.4082



28.8489, 0.2122, 0.2735



28.8489, 0.4082, 0.3257

Square

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



28.8489, 0.2122, 0.2735



28.8489, 0.3060, 0.2556



28.8489, 0.4246, 0.3694



28.8489, 0.3114, 0.4206

Rectangle

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



28.8489, 0.2122, 0.2735



28.8489, 0.2423, 0.2409



28.8489, 0.4246, 0.3694



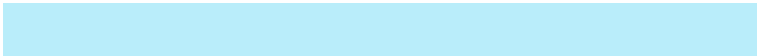
28.8489, 0.3817, 0.4256

Sweetspot

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



28.8499, 0.2122, 0.2735



77.6908, 0.2732, 0.3146



38.2668, 0.2916, 0.5539



16.2324, 0.2683, 0.3124



97.7402, 0.3127, 0.3290



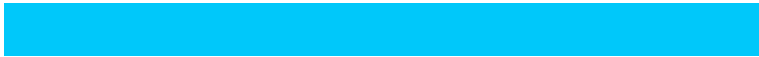
20.4902, 0.3127, 0.3290

Same Dimension

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



28.8499, 0.2122, 0.2735



48.0947, 0.2061, 0.2620



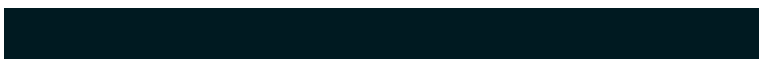
9.3499, 0.1731, 0.1281



11.0740, 0.2984, 0.3243



18.1088, 0.2067, 0.2640



0.8717, 0.2111, 0.2801

Inverse Universe

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



14.5232, 0.3687, 0.1885



24.4646, 0.3805, 0.1870



30.8387, 0.4670, 0.4541



10.2118, 0.3168, 0.3108



9.1103, 0.3785, 0.1859



0.4026, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 28.8489, 0.2122, 0.2735 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8489, 0.2122, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

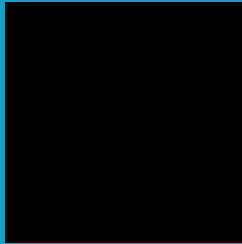
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8489, 0.2122, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 28.8489, 0.2122, 0.2735.

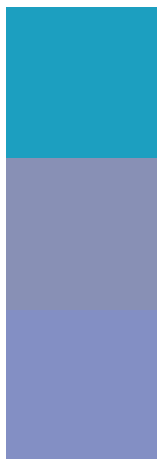


This preview shows how white text looks on a background with the Yxy color 28.8489, 0.2122, 0.2735.

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

28.8489, 0.2122, 0.2735

Protanopia

28.5170, 0.2719, 0.2724

Deuteranopia

28.4557, 0.2562, 0.2501



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.8489, 0.2122, 0.2735

Protanomaly

27.5391, 0.2398, 0.2703

Deuteranomaly

27.7622, 0.2314, 0.2558

Tritanomaly

28.8905, 0.2158, 0.2940

Monochromacy



Original Color

28.8489, 0.2122, 0.2735

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.1851, 0.2553, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8489, 0.2122, 0.2735 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(28, 159, 192)` looks like.

```
.text, #text, p{  
    color:rgb(28, 159, 192)  
}
```

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(28, 159, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 159, 192) }
```

Border

The CSS property to change the border of an element to Yxy 28.8489, 0.2122, 0.2735 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(28, 159, 192) }
```

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

```
.border{ border-color:rgb(28, 159, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 159, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 159, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 159, 192);  
box-shadow:4px 4px 4px 4px rgb(28, 159,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8489, 0.2122, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 159, 192) }
```

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

```
.background{ background-color: rgb(28, 159,  
192) }
```

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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