

Converting Colors

$Y_{xy}(42.6789, 0.2225, 0.2899)$

Have a look what the booklet for
Yxy(42.6789, 0.2225, 0.2899)
contains.

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Color

Yxy(42.8089, 0.2229, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	3EBED8
RGB	62, 190, 216
RGB Percent	24%, 75%, 85%
CMY	0.7573, 0.2549, 0.1529
CMYK	0.71, 0.12, 0.00, 0.15
HSL	190°, 66%, 54%
HSV	190°, 71%, 85%
XYZ	32.7907, 42.8089, 71.5100
YIQ	154.6920, -84.6340, -19.0500

Conversions

Conversions Part 2

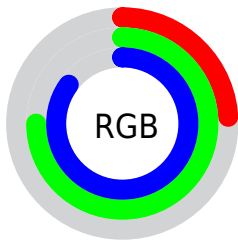
Format	Color
RYB	62, 132, 216
Decimal	4112088
CIELab	71.43, -26.15, -23.11
CIELCh	71, 34.904, 221.467
Yxy	42.8089, 0.2229, 0.2910
Android (android.graphics.Color)	4282302168 (0xFF3EBED8)
YUV	154.6920, 30.2248, -81.2909
Hunter-Lab	65.4285, -25.0412, -19.0010

Details

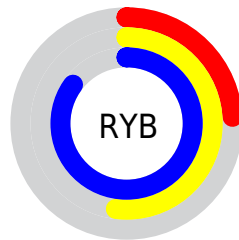
The Yxy color **42.8089, 0.2229, 0.2910** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted azure. A complement of this color would be **21.9107, 0.5301, 0.3555**, and the grayscale version is **32.5156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4087, 0.2460, 0.3196**, and **20.1815, 0.2110, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **40.6874, 0.2165, 0.2849**, and if you desaturate by 10%, it is **45.2502, 0.2312, 0.2971**.

Distribution



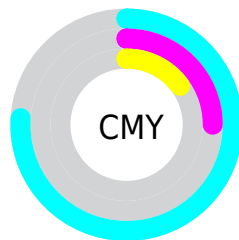
- Red (24%)
- Green (75%)
- Blue (85%)



- Red (24%)
- Yellow (52%)
- Blue (85%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)





- Cyan (76%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8089, 0.2229, 0.2910 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 42.8089, 0.2229, 0.2910 by changing the saturation by 10% instead.

 42.8089, 0.2229,
0.2910


 42.8089, 0.2229,
0.2910


357.8253, 0.2667,
0.3114


 29.7352, 0.2125,
0.2855


 79.4224, 0.2385,
0.2987

 19.6377, 0.1994,
0.2784


 103.7310, 0.2444,
0.3015


 12.1320, 0.1826,
0.2686


 132.5534, 0.2495,
0.3039

 6.8336, 0.1605,
0.2546

 166.2739, 0.2539,
0.3058

 3.3583, 0.1304,
0.2333

 205.2769, 0.2577,
0.3075

 1.3215, 0.0850,
0.1992

249.9469, 0.2610,

 0.1578, 0.0000,

0.3090

0.0716

300.6682, 0.2640,
0.3103

■ 0.0000, 0.0000,
0.0000

■ 42.8089, 0.2229,
0.2910

■ 42.8089, 0.2229,
0.2910

■ 40.6874, 0.2165,
0.2849

■ 45.2502, 0.2312,
0.2971

■ 38.8456, 0.2120,
0.2789

■ 48.0364, 0.2414,
0.3030

■ 37.4263, 0.2094,
0.2737

■ 51.1949, 0.2532,
0.3087

■ 54.7489, 0.2663,
0.3142

■ 58.7197, 0.2804,
0.3193

■ 63.1268, 0.2953,
0.3241

■ 67.9885, 0.3106,
0.3284

■ 73.3219, 0.3261,
0.3324

■ 78.8946, 0.3405,
0.3359

Harmonies

Analogous

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



42.8089, 0.2413, 0.3378



42.8089, 0.2229, 0.2910



42.8089, 0.2261, 0.2601

Triad

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



42.8089, 0.2229, 0.2910



42.8089, 0.3426, 0.2800



42.8089, 0.3742, 0.4163

Complementary

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



42.8089, 0.2229, 0.2910



21.9107, 0.5301, 0.3555

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.



42.8089, 0.4059, 0.3915



42.8089, 0.2229, 0.2910



42.8089, 0.3880, 0.3146

Square

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



42.8089, 0.2229, 0.2910



42.8089, 0.2917, 0.2567



42.8089, 0.4117, 0.3542



42.8089, 0.3274, 0.4165

Rectangle

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



42.8089, 0.2229, 0.2910



42.8089, 0.2399, 0.2506



42.8089, 0.4117, 0.3542



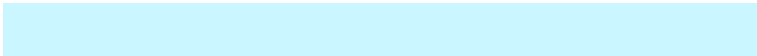
42.8089, 0.3871, 0.4102

Sweetspot

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



42.8105, 0.2229, 0.2910



85.5898, 0.2807, 0.3194



50.8379, 0.2928, 0.5264



17.9608, 0.2766, 0.3180



0.0000, 0.0000, 0.0000



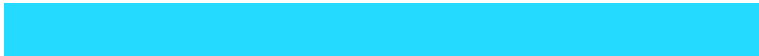
21.4041, 0.3127, 0.3290

Same Dimension

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



42.8105, 0.2229, 0.2910



57.7308, 0.2138, 0.2816



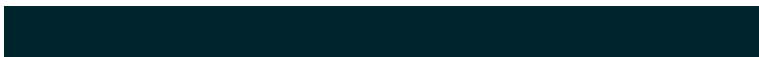
17.8493, 0.1925, 0.1692



13.7346, 0.2983, 0.3250



22.2871, 0.2096, 0.2746



1.4409, 0.2125, 0.2850

Inverse Universe

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



21.7530, 0.3514, 0.1943



27.5655, 0.3614, 0.1827



41.7289, 0.4498, 0.4408



12.5950, 0.3163, 0.3098



10.5947, 0.3685, 0.1804



0.6488, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 42.8089, 0.2229, 0.2910 looks on a white background.

Color Contrast Check

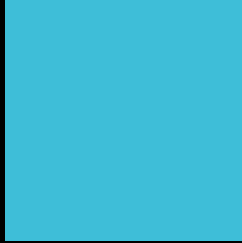
Large Text (above 18pt) WCAG AA × Fail

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 42.8089, 0.2229, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

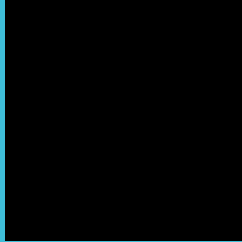
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8089, 0.2229, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 42.8089, 0.2229, 0.2910.



This preview shows how white text looks on a background with the Yxy color 42.8089, 0.2229, 0.2910.

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

42.8089, 0.2229, 0.2910

Protanopia

42.0802, 0.2834, 0.2868

Deuteranopia

42.0237, 0.2712, 0.2650



Tritanopia

42.6074, 0.2256, 0.3049

Trichromacy



Original Color

42.8089, 0.2229, 0.2910



Protanomaly

41.4614, 0.2543, 0.2884



Deuteranomaly

41.1479, 0.2469, 0.2715



Tritanomaly

42.8143, 0.2248, 0.3007

Monochromacy



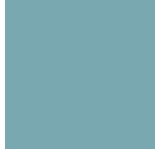
Original Color

42.8089, 0.2229, 0.2910



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.2445, 0.2665, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8089, 0.2229, 0.2910 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(62, 190, 216)` looks like.

```
.text, #text, p{  
    color:rgb(62, 190, 216)  
}
```

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(62, 190, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 190, 216) }
```

Border

The CSS property to change the border of an element to Yxy 42.8089, 0.2229, 0.2910 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(62, 190, 216) }
```

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

```
.border{ border-color:rgb(62, 190, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 190, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 190, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 190, 216);  
box-shadow:4px 4px 4px 4px rgb(62, 190,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8089, 0.2229, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 190, 216) }
```

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

```
.background{ background-color: rgb(62, 190,  
216) }
```

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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