

Converting Colors

$Y_{xy}(32.7275, 0.2237, 0.2793)$

Have a look what the booklet for
Yxy(32.7275, 0.2237, 0.2793)
contains.

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Color

Yxy(32.9079, 0.2238, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	43A7C6
RGB	67, 167, 198
RGB Percent	26%, 65%, 78%
CMY	0.7375, 0.3451, 0.2236
CMYK	0.66, 0.16, 0.00, 0.22
HSL	194°, 53%, 52%
HSV	194°, 66%, 78%
XYZ	26.3216, 32.9079, 58.3827
YIQ	140.6340, -69.5510, -11.5590

Conversions

Conversions Part 2

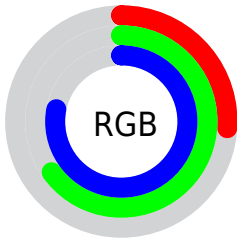
Format	Color
R _Y B	67, 124, 198
Decimal	4433862
CIE Lab	64.09, -19.29, -24.40
CIE LCh	64, 31.107, 231.671
Yxy	32.9079, 0.2238, 0.2798
Android (android.graphics.Color)	4282623942 (0xFF43A7C6)
YUV	140.6340, 28.2814, -64.5770
Hunter-Lab	57.3654, -18.4863, -20.1856

Details

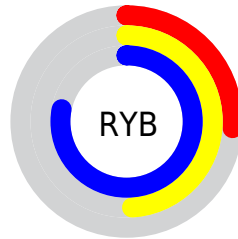
The Yxy color **32.9079, 0.2238, 0.2798** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **21.1277, 0.4971, 0.3665**, and the grayscale version is **26.3871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1297, 0.2403, 0.2895**, and **14.2751, 0.2068, 0.2644** is the 20% darker color. If you saturate the color by 10%, you get **30.6417, 0.2154, 0.2711**, and if you desaturate by 10%, it is **35.4776, 0.2340, 0.2884**.

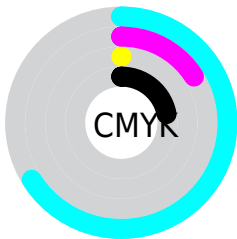
Distribution



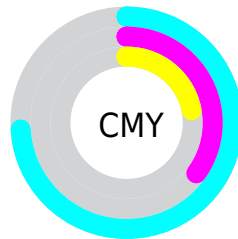
- Red (26%)
- Green (65%)
- Blue (78%)



- Red (26%)
- Yellow (49%)
- Blue (78%)



- Cyan (66%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (74%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9079, 0.2238, 0.2798 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 32.9079, 0.2238, 0.2798 by changing the saturation by 10% instead.

■ 32.9079, 0.2238,
0.2798

■ 32.9079, 0.2238,
0.2798

■ 315.2345, 0.2690,
0.3066

■ 22.0559, 0.2124,
0.2725

■ 64.2317, 0.2403,
0.2900

■ 13.8980, 0.1979,
0.2627

■ 85.4723, 0.2465,
0.2937

■ 8.0497, 0.1788,
0.2491

■ 110.9446, 0.2517,
0.2968

■ 4.1268, 0.1527,
0.2292

■ 141.0329, 0.2562,
0.2994

■ 1.7447, 0.1161,
0.1981

■ 176.1216, 0.2601,
0.3016

■ 0.4524, 0.0000,
0.1391

216.5952, 0.2634,

■ 0.0000, 0.0000,

0.3035

0.0000

262.8381, 0.2664,
0.3052

■ 32.9079, 0.2238,
0.2798

■ 32.9079, 0.2238,
0.2798

■ 30.6417, 0.2154,
0.2711

■ 35.4776, 0.2340,
0.2884

■ 28.6492, 0.2089,
0.2623

■ 38.3698, 0.2459,
0.2967

■ 26.8984, 0.2044,
0.2537

■ 41.6059, 0.2591,
0.3046

■ 26.2708, 0.2029,
0.2504

■ 45.2040, 0.2732,
0.3121

■ 49.1810, 0.2881,
0.3190

■ 53.5524, 0.3032,
0.3254

■ 58.3330, 0.3185,
0.3311

■ 63.5366, 0.3337,
0.3363

■ 69.1763, 0.3485,
0.3409

Harmonies

Analogous

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



32.9079, 0.2347, 0.3210



32.9079, 0.2238, 0.2798



32.9079, 0.2340, 0.2561

Triad

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



32.9079, 0.2238, 0.2798



32.9079, 0.3583, 0.2918



32.9079, 0.3583, 0.4172

Complementary

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



32.9079, 0.2238, 0.2798



21.1277, 0.4971, 0.3665

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.



32.9079, 0.3954, 0.4001



32.9079, 0.2238, 0.2798



32.9079, 0.3968, 0.3280

Square

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



32.9079, 0.2238, 0.2798



32.9079, 0.3087, 0.2647



32.9079, 0.4104, 0.3668



32.9079, 0.3106, 0.4072

Rectangle

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



32.9079, 0.2238, 0.2798



32.9079, 0.2519, 0.2510



32.9079, 0.4104, 0.3668



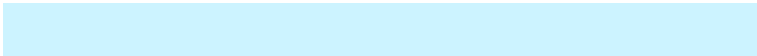
32.9079, 0.3725, 0.4141

Sweetspot

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



32.9091, 0.2238, 0.2798



84.1257, 0.2819, 0.3163



42.4464, 0.2888, 0.4967



17.5785, 0.2777, 0.3143



0.0000, 0.0000, 0.0000



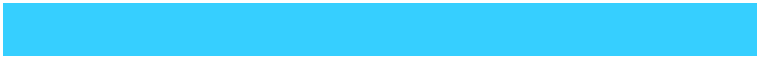
21.4041, 0.3127, 0.3290

Same Dimension

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



32.9091, 0.2238, 0.2798



52.8033, 0.2126, 0.2676



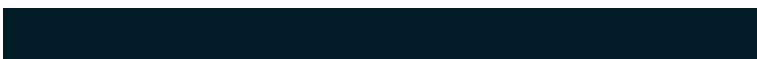
14.7475, 0.1974, 0.1688



11.6262, 0.2984, 0.3234



17.2237, 0.2032, 0.2515



0.9215, 0.2082, 0.2695

Inverse Universe

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



18.8012, 0.3603, 0.2099



28.3804, 0.3736, 0.1969



38.6174, 0.4309, 0.4449



10.7721, 0.3173, 0.3115



9.2787, 0.3907, 0.1926



0.4500, 0.3733, 0.1830

Previews

White Background



This preview shows how the Yxy color 32.9079, 0.2238, 0.2798 looks on a white background.

Color Contrast Check

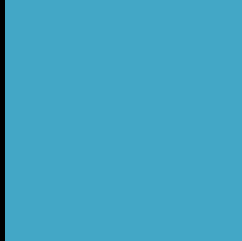
Large Text (above 18pt) WCAG AA × Fail

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 32.9079, 0.2238, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

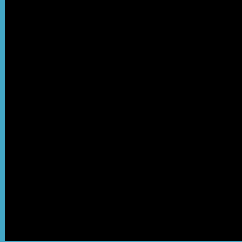
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9079, 0.2238, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 32.9079, 0.2238, 0.2798.

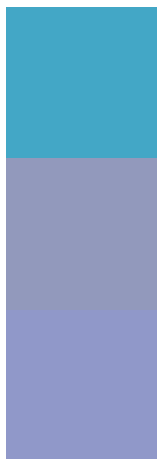


This preview shows how white text looks on a background with the Yxy color 32.9079, 0.2238, 0.2798.

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

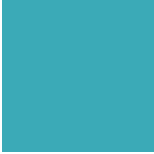
32.9079, 0.2238, 0.2798

Protanopia

32.5243, 0.2763, 0.2780

Deuteranopia

32.6028, 0.2648, 0.2594



Tritanopia

33.0982, 0.2296, 0.3073

Trichromacy



Original Color

32.9079, 0.2238, 0.2798

Protanomaly

32.0414, 0.2514, 0.2771

Deuteranomaly

31.9971, 0.2455, 0.2646

Tritanomaly

33.0309, 0.2277, 0.2978

Monochromacy



Original Color

32.9079, 0.2238, 0.2798

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.9987, 0.2688, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9079, 0.2238, 0.2798 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(67, 167, 198)` looks like.

```
.text, #text, p{  
    color:rgb(67, 167, 198)  
}
```

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(67, 167, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 167, 198) }
```

Border

The CSS property to change the border of an element to Yxy 32.9079, 0.2238, 0.2798 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(67, 167, 198) }
```

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

```
.border{ border-color:rgb(67, 167, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 167, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 167, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 167, 198);  
box-shadow:4px 4px 4px 4px rgb(67, 167,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9079, 0.2238, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 167, 198) }
```

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

```
.background{ background-color: rgb(67, 167,  
198) }
```

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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