

Converting Colors

$Y_{xy}(32.9206, 0.2165, 0.2820)$

Have a look what the booklet for
Yxy(32.9206, 0.2165, 0.2820)
contains.

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Color

Yxy(32.9043, 0.2166, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	28A9C6
RGB	40, 169, 198
RGB Percent	16%, 66%, 78%
CMY	0.8430, 0.3372, 0.2236
CMYK	0.80, 0.15, 0.00, 0.22
HSL	191°, 66%, 47%
HSV	191°, 80%, 78%
XYZ	25.2554, 32.9043, 58.4395
YIQ	133.7350, -86.1930, -18.3290

Conversions

Conversions Part 2

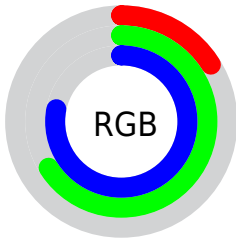
Format	Color
R _Y B	40, 111, 198
Decimal	2664902
CIE Lab	64.08, -23.74, -24.46
CIE LCh	64, 34.086, 225.855
Yxy	32.9043, 0.2166, 0.2822
Android (android.graphics.Color)	4280854982 (0xFF28A9C6)
YUV	133.7350, 31.6826, -82.2056
Hunter-Lab	57.3623, -21.7942, -20.2499

Details

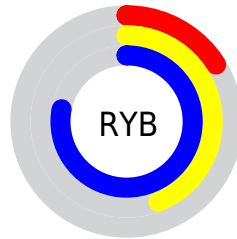
The Yxy color **32.9043, 0.2166, 0.2822** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **16.4154, 0.5604, 0.3566**, and the grayscale version is **23.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9761, 0.2340, 0.2913**, and **14.7362, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **31.2718, 0.2116, 0.2756**, and if you desaturate by 10%, it is **34.7798, 0.2236, 0.2888**.

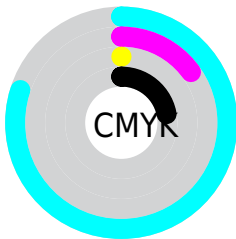
Distribution



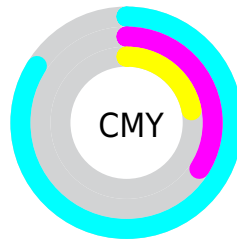
- Red (16%)
- Green (66%)
- Blue (78%)



- Red (16%)
- Yellow (44%)
- Blue (78%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)




- Cyan (84%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9043, 0.2166, 0.2822 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 32.9043, 0.2166, 0.2822 by changing the saturation by 10% instead.

 32.9043, 0.2166,
0.2822


 32.9043, 0.2166,
0.2822


315.2183, 0.2653,
0.3081

 22.0531, 0.2045,
0.2750


 64.2261, 0.2343,
0.2922

 13.8960, 0.1890,
0.2653


 85.4655, 0.2410,
0.2958


 8.0483, 0.1687,
0.2518


 110.9365, 0.2466,
0.2987

 4.1259, 0.1415,
0.2319

 141.0234, 0.2514,
0.3012

 1.7442, 0.1039,
0.2005

 176.1106, 0.2556,
0.3033

 0.4521, 0.0000,
0.1387

216.5826, 0.2592,

 0.0000, 0.0000,

0.3051

0.0000

262.8237, 0.2625,
0.3067

■ 32.9043, 0.2166,
0.2822

■ 32.9043, 0.2166,
0.2822

■ 31.2718, 0.2116,
0.2756

■ 34.7798, 0.2236,
0.2888

■ 29.8276, 0.2081,
0.2691

■ 36.9223, 0.2324,
0.2954

■ 29.7973, 0.2080,
0.2689

■ 39.3564, 0.2430,
0.3018

■ 42.1027, 0.2551,
0.3080

■ 45.1797, 0.2685,
0.3139

■ 48.6044, 0.2828,
0.3194

■ 52.3925, 0.2978,
0.3245

■ 56.5586, 0.3130,
0.3291

■ 61.1165, 0.3284,
0.3333

Harmonies

Analogous

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



32.9043, 0.2326, 0.3302



32.9043, 0.2166, 0.2822



32.9043, 0.2233, 0.2528

Triad

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



32.9043, 0.2166, 0.2822



32.9043, 0.3524, 0.2818



32.9043, 0.3713, 0.4240

Complementary

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



32.9043, 0.2166, 0.2822



16.4154, 0.5604, 0.3566

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.



32.9043, 0.4084, 0.4000



32.9043, 0.2166, 0.2822



32.9043, 0.3986, 0.3194

Square

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



32.9043, 0.2166, 0.2822



32.9043, 0.2978, 0.2551



32.9043, 0.4194, 0.3614



32.9043, 0.3203, 0.4201

Rectangle

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



32.9043, 0.2166, 0.2822



32.9043, 0.2399, 0.2449



32.9043, 0.4194, 0.3614



32.9043, 0.3859, 0.4185

Sweetspot

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



32.9055, 0.2166, 0.2822



83.2258, 0.2762, 0.3169



41.2647, 0.2920, 0.5442



17.3510, 0.2710, 0.3149



0.0000, 0.0000, 0.0000



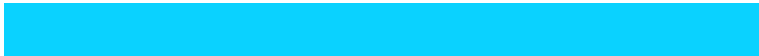
21.4041, 0.3127, 0.3290

Same Dimension

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



32.9055, 0.2166, 0.2822



53.4180, 0.2089, 0.2706



11.8486, 0.1807, 0.1454



11.7238, 0.2984, 0.3247



19.4958, 0.2083, 0.2698



1.0116, 0.2121, 0.2834

Inverse Universe

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



16.3883, 0.3601, 0.1891



26.1385, 0.3721, 0.1835



33.3274, 0.4615, 0.4490



10.7819, 0.3165, 0.3103



9.5081, 0.3730, 0.1829



0.4591, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 32.9043, 0.2166, 0.2822 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 32.9043, 0.2166, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

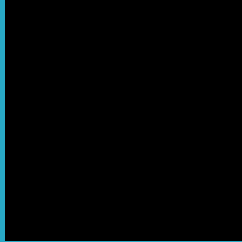
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9043, 0.2166, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 32.9043, 0.2166, 0.2822.

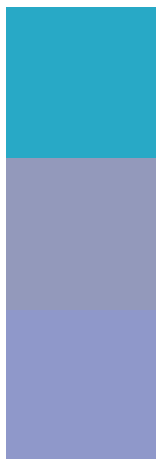


This preview shows how white text looks on a background with the Yxy color 32.9043, 0.2166, 0.2822.

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

32.9043, 0.2166, 0.2822

Protanopia

32.5734, 0.2779, 0.2795

Deuteranopia

32.5604, 0.2632, 0.2580



Tritanopia

32.8228, 0.2204, 0.3053

Trichromacy



Original Color

32.9043, 0.2166, 0.2822



Protanomaly

31.7460, 0.2462, 0.2793



Deuteranomaly

31.7349, 0.2386, 0.2638



Tritanomaly

32.7432, 0.2186, 0.2958

Monochromacy



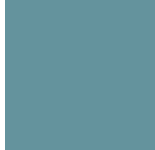
Original Color

32.9043, 0.2166, 0.2822



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.0111, 0.2606, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9043, 0.2166, 0.2822 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, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(40, 169, 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(40, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 169, 198) }
```

Border

The CSS property to change the border of an element to Yxy 32.9043, 0.2166, 0.2822 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, 169, 198) }
```

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

```
.border{ border-color:rgb(40, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(40, 169,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9043, 0.2166, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 169, 198) }
```

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

```
.background{ background-color: rgb(40, 169,  
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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