

Converting Colors

$Y_{xy}(30.7458, 0.2222, 0.2959)$

Have a look what the booklet for
Yxy(30.7458, 0.2222, 0.2959)
contains.

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Color

Yxy(30.9288, 0.2225, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	2DA5B8
RGB	45, 165, 184
RGB Percent	18%, 65%, 72%
CMY	0.8238, 0.3529, 0.2784
CMYK	0.76, 0.10, 0.00, 0.28
HSL	188°, 61%, 45%
HSV	188°, 76%, 72%
XYZ	23.1862, 30.9288, 50.0926
YIQ	131.2860, -77.6190, -19.5310

Conversions

Conversions Part 2

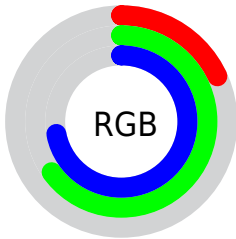
Format	Color
RYB	45, 109, 184
Decimal	2991544
CIELab	62.45, -25.72, -19.14
CIELCh	62, 32.060, 216.658
Yxy	30.9288, 0.2225, 0.2968
Android (android.graphics.Color)	4281181624 (0xFF2DA5B8)
YUV	131.2860, 25.9880, -75.6728
Hunter-Lab	55.6137, -22.9046, -14.4744

Details

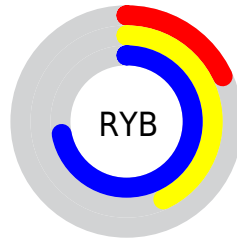
The Yxy color **30.9288, 0.2225, 0.2968** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0371, 0.5499, 0.3498**, and the grayscale version is **22.7246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9884, 0.2397, 0.3037**, and **13.4489, 0.2128, 0.2862** is the 20% darker color. If you saturate the color by 10%, you get **29.7027, 0.2173, 0.2920**, and if you desaturate by 10%, it is **32.3567, 0.2296, 0.3016**.

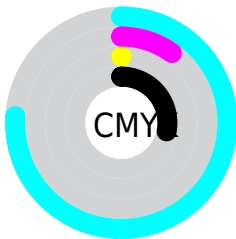
Distribution



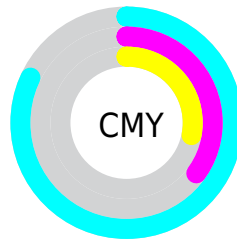
- Red (18%)
- Green (65%)
- Blue (72%)



- Red (18%)
- Yellow (43%)
- Blue (72%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (28%)





- Cyan (82%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9288, 0.2225, 0.2968 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 30.9288, 0.2225, 0.2968 by changing the saturation by 10% instead.


 30.9288, 0.2225,
0.2968


 30.9288, 0.2225,
0.2968


306.2102, 0.2689,
0.3153

 20.5446, 0.2106,
0.2914


 61.1280, 0.2396,
0.3041


 12.7916, 0.1953,
0.2839


 81.7117, 0.2460,
0.3067


 7.2852, 0.1749,
0.2730


 106.4642, 0.2513,
0.3088

 3.6411, 0.1468,
0.2562

 135.7697, 0.2559,
0.3105

 1.4749, 0.1054,
0.2279

 170.0126, 0.2598,
0.3120

 0.2710, 0.0000,
0.1308

209.5774, 0.2633,

 0.0000, 0.0000,

0.3133

0.0000

254.8485, 0.2663,
0.3143

■ 30.9288, 0.2225,
0.2968

■ 30.9288, 0.2225,
0.2968

■ 29.7027, 0.2173,
0.2920

■ 32.3567, 0.2296,
0.3016

■ 28.6486, 0.2138,
0.2873

■ 34.0041, 0.2386,
0.3063

■ 28.2127, 0.2126,
0.2852

■ 35.8904, 0.2493,
0.3109

■ 38.0318, 0.2615,
0.3154

■ 40.4431, 0.2749,
0.3196

■ 43.1379, 0.2893,
0.3235

■ 46.1286, 0.3042,
0.3271

■ 49.4271, 0.3195,
0.3304

■ 53.0445, 0.3349,
0.3334

Harmonies

Analogous

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



30.9288, 0.2446, 0.3463



30.9288, 0.2225, 0.2968



30.9288, 0.2222, 0.2623

Triad

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



30.9288, 0.2225, 0.2968



30.9288, 0.3348, 0.2743



30.9288, 0.3821, 0.4156

Complementary

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



30.9288, 0.2225, 0.2968



14.0371, 0.5499, 0.3498

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.



30.9288, 0.4110, 0.3871



30.9288, 0.2225, 0.2968



30.9288, 0.3835, 0.3080

Square

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



30.9288, 0.2225, 0.2968



30.9288, 0.2834, 0.2527



30.9288, 0.4122, 0.3480



30.9288, 0.3358, 0.4208

Rectangle

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



30.9288, 0.2225, 0.2968



30.9288, 0.2341, 0.2504



30.9288, 0.4122, 0.3480



30.9288, 0.3943, 0.4081

Sweetspot

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



30.9299, 0.2225, 0.2968



74.3443, 0.2780, 0.3205



35.2001, 0.2948, 0.5425



15.6674, 0.2730, 0.3190



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.9299, 0.2225, 0.2968



52.4903, 0.2147, 0.2887



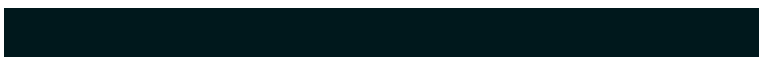
12.3689, 0.1898, 0.1688



9.9958, 0.2985, 0.3258



19.5210, 0.2127, 0.2858



0.7464, 0.2161, 0.2980

Inverse Universe

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



14.7786, 0.3468, 0.1864



23.6793, 0.3552, 0.1762



27.1559, 0.4618, 0.4381



9.1411, 0.3158, 0.3095



8.7530, 0.3582, 0.1747



0.3144, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 30.9288, 0.2225, 0.2968 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 30.9288, 0.2225, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

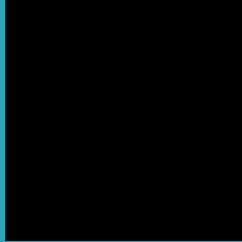
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9288, 0.2225, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 30.9288, 0.2225, 0.2968.

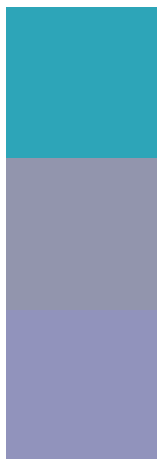


This preview shows how white text looks on a background with the Yxy color 30.9288, 0.2225, 0.2968.

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

30.9288, 0.2225, 0.2968

Protanopia

30.6230, 0.2881, 0.2927

Deuteranopia

30.5180, 0.2747, 0.2688



Tritanopia

30.9985, 0.2244, 0.3065

Trichromacy



Original Color

30.9288, 0.2225, 0.2968

Protanomaly

29.8682, 0.2550, 0.2933

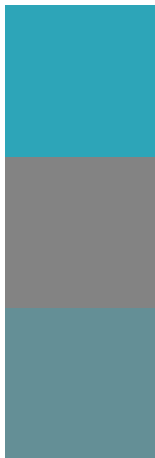
Deuteranomaly

29.9503, 0.2481, 0.2769

Tritanomaly

31.1009, 0.2236, 0.3033

Monochromacy



Original Color

30.9288, 0.2225, 0.2968

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.5563, 0.2651, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9288, 0.2225, 0.2968 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(45, 165, 184)` looks like.

```
.text, #text, p{  
    color:rgb(45, 165, 184)  
}
```

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(45, 165, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 165, 184) }
```

Border

The CSS property to change the border of an element to Yxy 30.9288, 0.2225, 0.2968 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(45, 165, 184) }
```

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

```
.border{ border-color:rgb(45, 165, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 165, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(45, 165, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(45, 165, 184); box-shadow:4px 4px 4px 4px rgb(45, 165, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9288, 0.2225, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 165, 184) }
```

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

```
.background{ background-color: rgb(45, 165,  
184) }
```

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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