

Converting Colors

$Y_{xy}(32.6783, 0.2245, 0.2842)$

Have a look what the booklet for
Yxy(32.6783, 0.2245, 0.2842)
contains.

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Color

Yxy(32.7014, 0.2245, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	41A7C3
RGB	65, 167, 195
RGB Percent	25%, 65%, 76%
CMY	0.7452, 0.3451, 0.2352
CMYK	0.67, 0.14, 0.00, 0.24
HSL	193°, 52%, 51%
HSV	193°, 67%, 76%
XYZ	25.8502, 32.7014, 56.5941
YIQ	139.6940, -69.7800, -12.9160

Conversions

Conversions Part 2

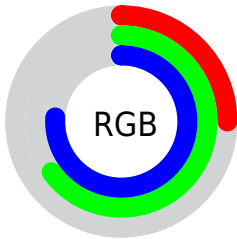
Format	Color
RYB	65, 122, 195
Decimal	4302787
CIELab	63.92, -20.53, -23.02
CIELCh	64, 30.838, 228.273
Yxy	32.7014, 0.2245, 0.2840
Android (android.graphics.Color)	4282492867 (0xFF41A7C3)
YUV	139.6940, 27.2659, -65.5066
Hunter-Lab	57.1851, -19.3841, -18.6477

Details

The Yxy color **32.7014, 0.2245, 0.2840** 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 **19.8176, 0.5017, 0.3631**, and the grayscale version is **26.0129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7829, 0.2407, 0.2928**, and **14.1846, 0.2084, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **30.6331, 0.2165, 0.2761**, and if you desaturate by 10%, it is **35.0518, 0.2344, 0.2918**.

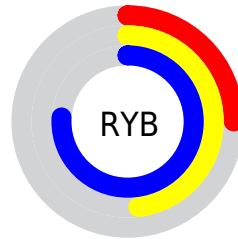
Distribution



Red (25%)

Green (65%)

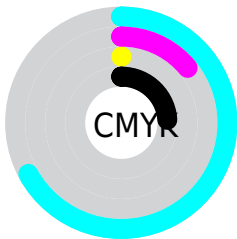
Blue (76%)



Red (25%)

Yellow (48%)

Blue (76%)

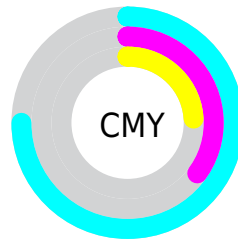


Cyan (67%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (75%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7014, 0.2245, 0.2840 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 32.7014, 0.2245, 0.2840 by changing the saturation by 10% instead.

■ 32.7014, 0.2245,
0.2840

■ 32.7014, 0.2245,
0.2840

■ 314.3021, 0.2695,
0.3087

■ 21.8978, 0.2132,
0.2771

■ 63.9091, 0.2410,
0.2935

■ 13.7818, 0.1987,
0.2679

■ 85.0819, 0.2471,
0.2969

■ 7.9691, 0.1795,
0.2551

■ 110.4800, 0.2523,
0.2998

■ 4.0752, 0.1533,
0.2360

■ 140.4876, 0.2567,
0.3021

■ 1.7157, 0.1163,
0.2058

■ 175.4892, 0.2606,
0.3042

■ 0.4338, 0.0000,
0.1445

215.8693, 0.2639,

■ 0.0000, 0.0000,

0.3059

0.0000

262.0121, 0.2669,
0.3074

■ 32.7014, 0.2245,
0.2840

■ 32.7014, 0.2245,
0.2840

■ 30.6331, 0.2165,
0.2761

■ 35.0518, 0.2344,
0.2918

■ 28.8180, 0.2104,
0.2682

■ 37.7026, 0.2459,
0.2993

■ 27.2241, 0.2062,
0.2604

■ 40.6742, 0.2588,
0.3065

■ 26.7226, 0.2050,
0.2578

■ 43.9841, 0.2727,
0.3133

■ 47.6484, 0.2874,
0.3196

■ 51.6822, 0.3025,
0.3254

■ 56.0994, 0.3178,
0.3307

■ 60.9132, 0.3330,
0.3354

■ 66.1363, 0.3479,
0.3396

Harmonies

Analogous

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



32.7014, 0.2377, 0.3265



32.7014, 0.2245, 0.2840



32.7014, 0.2323, 0.2582

Triad

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



32.7014, 0.2245, 0.2840



32.7014, 0.3527, 0.2884



32.7014, 0.3629, 0.4159

Complementary

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



32.7014, 0.2245, 0.2840



19.8176, 0.5017, 0.3631

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.



32.7014, 0.3979, 0.3966



32.7014, 0.2245, 0.2840



32.7014, 0.3930, 0.3237

Square

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



32.7014, 0.2245, 0.2840



32.7014, 0.3032, 0.2628



32.7014, 0.4097, 0.3623



32.7014, 0.3161, 0.4092

Rectangle

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



32.7014, 0.2245, 0.2840



32.7014, 0.2487, 0.2518



32.7014, 0.4097, 0.3623



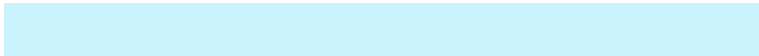
32.7014, 0.3765, 0.4119

Sweetspot

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



32.7026, 0.2245, 0.2840



82.8558, 0.2820, 0.3174



40.9205, 0.2910, 0.5048



17.7330, 0.2778, 0.3156



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.



32.7026, 0.2245, 0.2840



53.3121, 0.2135, 0.2725



14.9649, 0.1984, 0.1749



11.0481, 0.2984, 0.3239



17.4899, 0.2053, 0.2589



0.8497, 0.2101, 0.2763

Inverse Universe

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



18.1746, 0.3567, 0.2066



27.7027, 0.3691, 0.1930



35.7687, 0.4356, 0.4407



10.2091, 0.3170, 0.3111



9.0479, 0.3835, 0.1886



0.4004, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 32.7014, 0.2245, 0.2840 looks on a white background.

Color Contrast Check

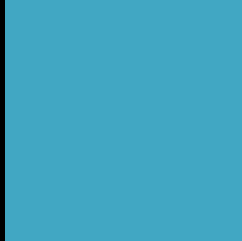
Large Text (above 18pt) WCAG AA × Fail

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 32.7014, 0.2245, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

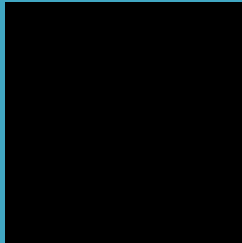
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7014, 0.2245, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 32.7014, 0.2245, 0.2840.

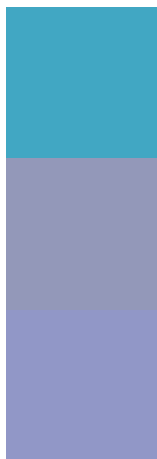


This preview shows how white text looks on a background with the Yxy color 32.7014, 0.2245, 0.2840.

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

32.7014, 0.2245, 0.2840

Protanopia

32.1623, 0.2794, 0.2806

Deuteranopia

32.2765, 0.2669, 0.2606



Tritanopia

32.6944, 0.2288, 0.3056

Trichromacy



Original Color

32.7014, 0.2245, 0.2840

Protanomaly

31.5700, 0.2532, 0.2797

Deuteranomaly

31.9042, 0.2467, 0.2672

Tritanomaly

32.5852, 0.2274, 0.2977

Monochromacy



Original Color

32.7014, 0.2245, 0.2840

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.8615, 0.2695, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7014, 0.2245, 0.2840 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(65, 167, 195)` looks like.

```
.text, #text, p{  
    color:rgb(65, 167, 195)  
}
```

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(65, 167, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 167, 195) }
```

Border

The CSS property to change the border of an element to Yxy 32.7014, 0.2245, 0.2840 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(65, 167, 195) }
```

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

```
.border{ border-color:rgb(65, 167, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 167, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 167, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 167, 195);  
box-shadow:4px 4px 4px 4px rgb(65, 167,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7014, 0.2245, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 167, 195) }
```

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

```
.background{ background-color: rgb(65, 167,  
195) }
```

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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