

Converting Colors

$Y_{xy}(34.2440, 0.2176, 0.2865)$

Have a look what the booklet for
Yxy(34.2440, 0.2176, 0.2865)
contains.

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Color

Yxy(34.0797, 0.2175, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	28ACC7
RGB	40, 172, 199
RGB Percent	16%, 67%, 78%
CMY	0.8429, 0.3255, 0.2197
CMYK	0.80, 0.14, 0.00, 0.22
HSL	190°, 66%, 47%
HSV	190°, 80%, 78%
XYZ	25.9354, 34.0797, 59.2281
YIQ	135.6100, -87.3390, -19.5870

Conversions

Conversions Part 2

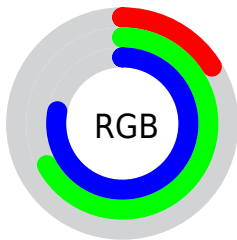
Format	Color
RYB	40, 112, 199
Decimal	2665671
CIELab	65.03, -24.94, -23.56
CIElCh	65, 34.313, 223.370
Yxy	34.0797, 0.2175, 0.2858
Android (android.graphics.Color)	4280855751 (0xFF28ACC7)
YUV	135.6100, 31.2513, -83.8500
Hunter-Lab	58.3778, -22.8594, -19.2891

Details

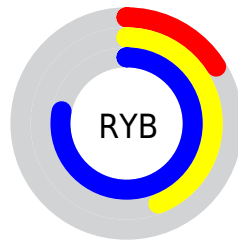
The Yxy color **34.0797, 0.2175, 0.2858** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **16.3107, 0.5634, 0.3542**, and the grayscale version is **24.3797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2175, 0.2354, 0.2964**, and **15.2380, 0.2088, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **32.5097, 0.2127, 0.2797**, and if you desaturate by 10%, it is **35.8899, 0.2242, 0.2919**.

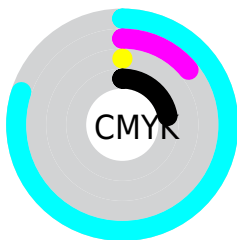
Distribution



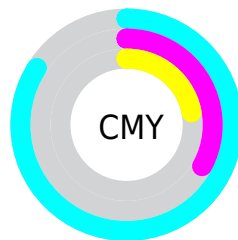
- Red (16%)
- Green (67%)
- Blue (78%)



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



- Cyan (80%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)




- Cyan (84%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0797, 0.2175, 0.2858 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 34.0797, 0.2175, 0.2858 by changing the saturation by 10% instead.


 34.0797, 0.2175,
0.2858


 34.0797, 0.2175,
0.2858


 320.4873, 0.2655,
0.3097


 22.9548, 0.2056,
0.2791


 66.0576, 0.2349,
0.2950


 14.5602, 0.1904,
0.2702


 87.6794, 0.2415,
0.2983


 8.5113, 0.1707,
0.2576


 113.5690, 0.2470,
0.3011

 4.4238, 0.1440,
0.2391

 144.1107, 0.2518,
0.3034

 1.9133, 0.1074,
0.2098

 179.6890, 0.2559,
0.3053

 0.5564, 0.0000,
0.1604

 220.6883, 0.2595,

 0.0000, 0.0000,

0.3070

0.0000

267.4929, 0.2627,
0.3085

■ 34.0797, 0.2175,
0.2858

■ 34.0797, 0.2175,
0.2858

■ 32.5097, 0.2127,
0.2797

■ 35.8899, 0.2242,
0.2919

■ 31.1241, 0.2094,
0.2737

■ 37.9647, 0.2329,
0.2979

■ 31.1060, 0.2094,
0.2736

■ 40.3288, 0.2433,
0.3039

■ 43.0030, 0.2553,
0.3096

■ 46.0062, 0.2685,
0.3150

■ 49.3554, 0.2828,
0.3201

■ 53.0663, 0.2976,
0.3248

■ 57.1539, 0.3129,
0.3291

■ 61.6320, 0.3283,
0.3329

Harmonies

Analogous

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



34.0797, 0.2353, 0.3346



34.0797, 0.2175, 0.2858



34.0797, 0.2223, 0.2548

Triad

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



34.0797, 0.2175, 0.2858



34.0797, 0.3478, 0.2793



34.0797, 0.3748, 0.4225

Complementary

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



34.0797, 0.2175, 0.2858



16.3107, 0.5634, 0.3542

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.



34.0797, 0.4099, 0.3969



34.0797, 0.2175, 0.2858



34.0797, 0.3951, 0.3161

Square

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



34.0797, 0.2175, 0.2858



34.0797, 0.2935, 0.2539



34.0797, 0.4183, 0.3578



34.0797, 0.3246, 0.4212

Rectangle

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



34.0797, 0.2175, 0.2858



34.0797, 0.2376, 0.2457



34.0797, 0.4183, 0.3578



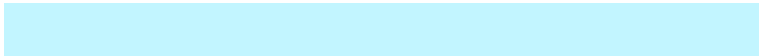
34.0797, 0.3888, 0.4163

Sweetspot

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



34.0809, 0.2175, 0.2858



83.7335, 0.2763, 0.3178



41.6876, 0.2930, 0.5478



17.4748, 0.2712, 0.3160



0.0000, 0.0000, 0.0000



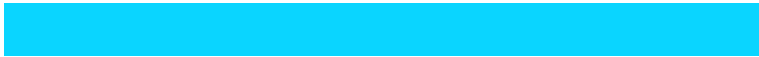
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0809, 0.2175, 0.2858



55.1012, 0.2102, 0.2752



12.4093, 0.1817, 0.1493



11.7493, 0.2984, 0.3250



20.1194, 0.2096, 0.2745



1.0360, 0.2131, 0.2870

Inverse Universe

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



16.6392, 0.3569, 0.1870



26.3084, 0.3678, 0.1811



32.8514, 0.4647, 0.4463



10.7845, 0.3163, 0.3100



9.5711, 0.3686, 0.1804



0.4616, 0.3570, 0.1741

Previews

White Background



This preview shows how the Yxy color 34.0797, 0.2175, 0.2858 looks on a white background.

Color Contrast Check

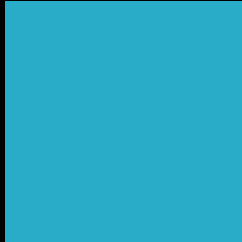
Large Text (above 18pt) WCAG AA × Fail

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 34.0797, 0.2175, 0.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

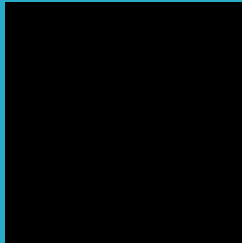
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0797, 0.2175, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 34.0797, 0.2175, 0.2858.

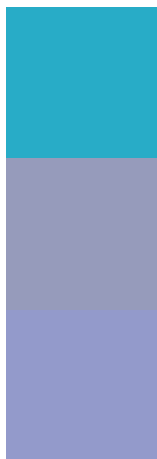


This preview shows how white text looks on a background with the Yxy color 34.0797, 0.2175, 0.2858.

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

34.0797, 0.2175, 0.2858

Protanopia

33.5146, 0.2807, 0.2828

Deuteranopia

33.6260, 0.2661, 0.2603



Tritanopia

34.1360, 0.2209, 0.3057

Trichromacy



Original Color

34.0797, 0.2175, 0.2858



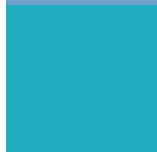
Protanomaly

32.5663, 0.2481, 0.2827



Deuteranomaly

32.9422, 0.2402, 0.2674



Tritanomaly

34.0000, 0.2195, 0.2978

Monochromacy



Original Color

34.0797, 0.2175, 0.2858



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.7648, 0.2604, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0797, 0.2175, 0.2858 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, 172, 199)` looks like.

```
.text, #text, p{  
    color:rgb(40, 172, 199)  
}
```

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, 172, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 172, 199) }
```

Border

The CSS property to change the border of an element to Yxy 34.0797, 0.2175, 0.2858 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, 172, 199) }
```

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

```
.border{ border-color:rgb(40, 172, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 172, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 172, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 172, 199);  
box-shadow:4px 4px 4px 4px rgb(40, 172,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0797, 0.2175, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 172, 199) }
```

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

```
.background{ background-color: rgb(40, 172,  
199) }
```

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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