

Converting Colors

$Y_{xy}(35.0452, 0.2156, 0.2819)$

Have a look what the booklet for
Yxy(35.0452, 0.2156, 0.2819)
contains.

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Color

Yxy(35.0251, 0.2156, 0.2818)

Conversions

Conversions Part 1

Format	Color
Hex	25AECC
RGB	37, 174, 204
RGB Percent	15%, 68%, 80%
CMY	0.8548, 0.3176, 0.2000
CMYK	0.82, 0.15, 0.00, 0.20
HSL	191°, 69%, 47%
HSV	191°, 82%, 80%
XYZ	26.7971, 35.0251, 62.4685
YIQ	136.4570, -91.2820, -19.7140

Conversions

Conversions Part 2

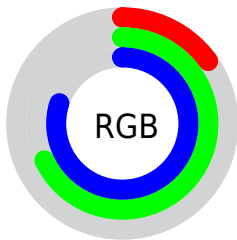
Format	Color
RYB	37, 112, 204
Decimal	2469580
CIELab	65.77, -24.59, -25.21
CIELCh	66, 35.215, 225.709
Yxy	35.0251, 0.2156, 0.2818
Android (android.graphics.Color)	4280659660 (0xFF25AECC)
YUV	136.4570, 33.2987, -87.2238
Hunter-Lab	59.1820, -22.7454, -21.1551

Details

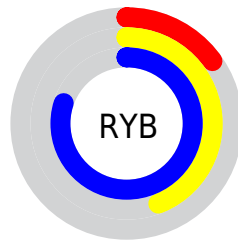
The Yxy color **35.0251, 0.2156, 0.2818** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **16.9841, 0.5697, 0.3552**, and the grayscale version is **24.7011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2584, 0.2356, 0.2988**, and **15.8768, 0.2075, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **33.3521, 0.2110, 0.2754**, and if you desaturate by 10%, it is **36.9498, 0.2221, 0.2883**.

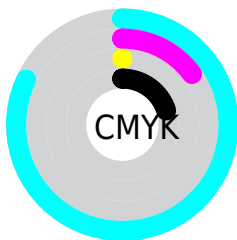
Distribution



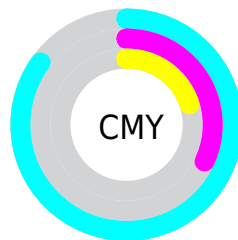
- Red (15%)
- Green (68%)
- Blue (80%)



- Red (15%)
- Yellow (44%)
- Blue (80%)



- Cyan (82%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)





- Cyan (85%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0251, 0.2156, 0.2818 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 35.0251, 0.2156, 0.2818 by changing the saturation by 10% instead.


 35.0251, 0.2156,
0.2818


 35.0251, 0.2156,
0.2818


324.6791, 0.2643,
0.3077


 23.6822, 0.2036,
0.2747


 67.5247, 0.2332,
0.2917

 15.0981, 0.1885,
0.2652


 89.4501, 0.2398,
0.2953

 8.8882, 0.1688,
0.2521


 115.6719, 0.2455,
0.2982

 4.6683, 0.1426,
0.2331

 146.5743, 0.2503,
0.3007

 2.0540, 0.1068,
0.2035

 182.5419, 0.2545,
0.3029

 0.6386, 0.0017,
0.1594

223.9589, 0.2582,

 0.0000, 0.0000,

0.3047

0.0000

271.2099, 0.2614,
0.3063

■ 35.0251, 0.2156,
0.2818

■ 35.0251, 0.2156,
0.2818

■ 33.3521, 0.2110,
0.2754

■ 36.9498, 0.2221,
0.2883

■ 32.1275, 0.2084,
0.2701

■ 39.1533, 0.2305,
0.2948

■ 41.6631, 0.2407,
0.3011

■ 44.5016, 0.2525,
0.3072

■ 47.6893, 0.2656,
0.3130

■ 51.2447, 0.2798,
0.3185

■ 55.1849, 0.2946,
0.3236

■ 59.5259, 0.3099,
0.3282

■ 64.2828, 0.3253,
0.3324

Harmonies

Analogous

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



35.0251, 0.2318, 0.3304



35.0251, 0.2156, 0.2818



35.0251, 0.2222, 0.2520

Triad

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



35.0251, 0.2156, 0.2818



35.0251, 0.3526, 0.2811



35.0251, 0.3721, 0.4251

Complementary

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



35.0251, 0.2156, 0.2818



16.9841, 0.5697, 0.3552

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.



35.0251, 0.4096, 0.4005



35.0251, 0.2156, 0.2818



35.0251, 0.3994, 0.3190

Square

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



35.0251, 0.2156, 0.2818



35.0251, 0.2973, 0.2543



35.0251, 0.4206, 0.3615



35.0251, 0.3205, 0.4213

Rectangle

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



35.0251, 0.2156, 0.2818



35.0251, 0.2389, 0.2440



35.0251, 0.4206, 0.3615



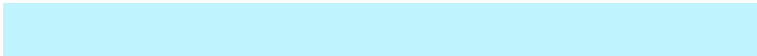
35.0251, 0.3868, 0.4194

Sweetspot

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



35.0264, 0.2156, 0.2818



82.7605, 0.2748, 0.3166



43.9548, 0.2932, 0.5529



17.2668, 0.2697, 0.3147



0.0000, 0.0000, 0.0000



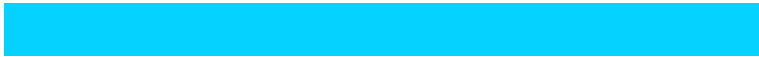
21.4041, 0.3127, 0.3290

Same Dimension

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



35.0264, 0.2156, 0.2818



53.4060, 0.2087, 0.2706



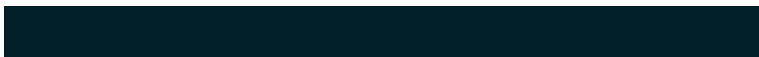
12.5241, 0.1791, 0.1443



12.3710, 0.2983, 0.3247



20.3477, 0.2086, 0.2711



1.1415, 0.2121, 0.2836

Inverse Universe

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



17.2162, 0.3607, 0.1871



26.0299, 0.3722, 0.1830



34.2538, 0.4683, 0.4472



11.3678, 0.3165, 0.3102



9.8571, 0.3718, 0.1822



0.5178, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 35.0251, 0.2156, 0.2818 looks on a white background.

Color Contrast Check

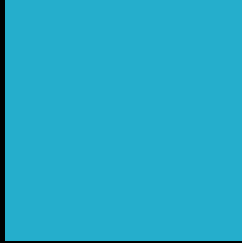
Large Text (above 18pt) WCAG AA × Fail

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 35.0251, 0.2156, 0.2818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

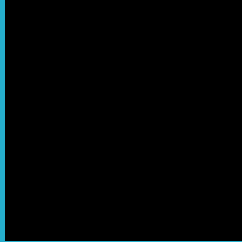
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0251, 0.2156, 0.2818

Background



This preview shows how black text looks on a background with the Yxy color 35.0251, 0.2156, 0.2818.

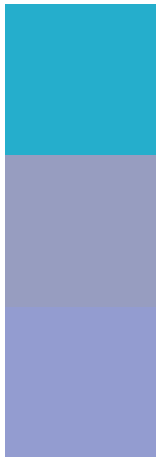


This preview shows how white text looks on a background with the Yxy color 35.0251, 0.2156, 0.2818.

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

35.0251, 0.2156, 0.2818

Protanopia

34.4990, 0.2779, 0.2792

Deuteranopia

34.5340, 0.2629, 0.2571



Tritanopia

34.9138, 0.2190, 0.3043

Trichromacy



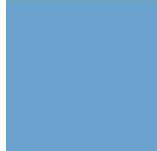
Original Color

35.0251, 0.2156, 0.2818



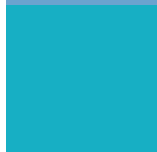
Protanomaly

33.4949, 0.2455, 0.2788



Deuteranomaly

33.8252, 0.2373, 0.2638



Tritanomaly

34.8276, 0.2172, 0.2950

Monochromacy



Original Color

35.0251, 0.2156, 0.2818



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.0952, 0.2584, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0251, 0.2156, 0.2818 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(37, 174, 204)` looks like.

```
.text, #text, p{  
    color:rgb(37, 174, 204)  
}
```

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(37, 174, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 174, 204) }
```

Border

The CSS property to change the border of an element to Yxy 35.0251, 0.2156, 0.2818 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(37, 174, 204) }
```

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

```
.border{ border-color:rgb(37, 174, 204) }
```

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

Here you see how a box with a 4 pixel rgb(37, 174, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 174, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 174, 204);  
box-shadow:4px 4px 4px 4px rgb(37, 174,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0251, 0.2156, 0.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 174, 204) }
```

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

```
.background{ background-color: rgb(37, 174,  
204) }
```

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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