

Converting Colors

$Y_{xy}(36.1833, 0.2119, 0.2658)$

Have a look what the booklet for
Yxy(36.1833, 0.2119, 0.2658)
contains.

Yxy(36.1833, 0.2119, 0.2658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.1833, 0.2119, 0.2658)

Conversions

Conversions Part 1

Format	Color
Hex	2BAFD9
RGB	43, 175, 217
RGB Percent	17%, 69%, 85%
CMY	0.8317, 0.3137, 0.1491
CMYK	0.80, 0.19, 0.00, 0.15
HSL	194°, 70%, 51%
HSV	194°, 80%, 85%
XYZ	28.8459, 36.1833, 71.1006
YIQ	140.3200, -92.1540, -14.9220

Conversions

Conversions Part 2

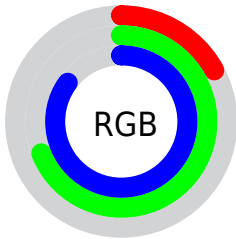
Format	Color
R _Y B	43, 118, 217
Decimal	2863065
CIE Lab	66.66, -20.28, -31.00
CIE LCh	67, 37.043, 236.802
Yxy	36.1833, 0.2119, 0.2658
Android (android.graphics.Color)	4281053145 (0xFF2BAFD9)
YUV	140.3200, 37.8032, -85.3496
Hunter-Lab	60.1526, -19.6681, -27.9743

Details

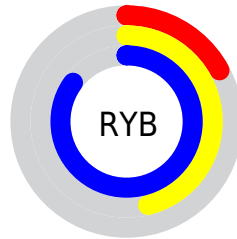
The Yxy color **36.1833, 0.2119, 0.2658** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.4026, 0.5529, 0.3665**, and the grayscale version is **26.2237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1537, 0.2377, 0.3002**, and **16.5277, 0.2022, 0.2479** is the 20% darker color. If you saturate the color by 10%, you get **33.8370, 0.2062, 0.2568**, and if you desaturate by 10%, it is **38.8601, 0.2196, 0.2748**.

Distribution



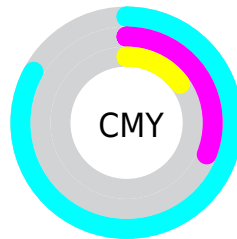
- Red (17%)
- Green (69%)
- Blue (85%)



- Red (17%)
- Yellow (46%)
- Blue (85%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1833, 0.2119, 0.2658 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 36.1833, 0.2119, 0.2658 by changing the saturation by 10% instead.

■ 36.1833, 0.2119,
0.2658

■ 36.1833, 0.2119,
0.2658

■ 329.7610, 0.2619,
0.2994

■ 24.5758, 0.1998,
0.2570

■ 69.3149, 0.2298,
0.2784

■ 15.7613, 0.1846,
0.2455

■ 91.6078, 0.2366,
0.2830

■ 9.3554, 0.1652,
0.2301

■ 118.2312, 0.2424,
0.2868

■ 4.9737, 0.1396,
0.2085

■ 149.5697, 0.2474,
0.2901

■ 2.2318, 0.1054,
0.1769

■ 186.0074, 0.2518,
0.2929

■ 0.7373, 0.0366,
0.1311

■ 227.9290, 0.2556,

■ 0.0000, 0.0000,

0.2953

0.0000

275.7187, 0.2589,
0.2975

■ 36.1833, 0.2119,
0.2658

■ 36.1833, 0.2119,
0.2658

■ 33.8370, 0.2062,
0.2568

■ 38.8601, 0.2196,
0.2748

■ 31.7981, 0.2023,
0.2482

■ 41.8991, 0.2291,
0.2837

■ 45.3316, 0.2404,
0.2924

■ 49.1842, 0.2532,
0.3007

■ 53.4806, 0.2671,
0.3086

■ 58.2426, 0.2818,
0.3160

■ 63.4903, 0.2970,
0.3227

■ 69.2426, 0.3124,
0.3289

■ 75.5172, 0.3277,
0.3344

Harmonies

Analogous

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



36.1833, 0.2198, 0.3098



36.1833, 0.2119, 0.2658



36.1833, 0.2273, 0.2433

Triad

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



36.1833, 0.2119, 0.2658



36.1833, 0.3743, 0.2928



36.1833, 0.3553, 0.4317

Complementary

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



36.1833, 0.2119, 0.2658



21.4026, 0.5529, 0.3665

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.



36.1833, 0.4014, 0.4151



36.1833, 0.2119, 0.2658



36.1833, 0.4149, 0.3345

Square

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



36.1833, 0.2119, 0.2658



36.1833, 0.3176, 0.2602



36.1833, 0.4245, 0.3782



36.1833, 0.3001, 0.4149

Rectangle

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



36.1833, 0.2119, 0.2658



36.1833, 0.2497, 0.2404



36.1833, 0.4245, 0.3782



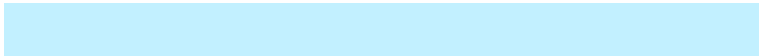
36.1833, 0.3724, 0.4294

Sweetspot

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



36.1846, 0.2119, 0.2658



81.1257, 0.2759, 0.3131



50.7639, 0.2889, 0.5355



16.8403, 0.2706, 0.3104



0.0000, 0.0000, 0.0000



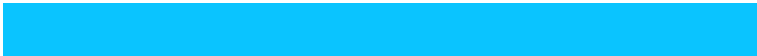
21.4041, 0.3127, 0.3290

Same Dimension

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



36.1846, 0.2119, 0.2658



46.7515, 0.2035, 0.2510



12.7203, 0.1764, 0.1311



14.2697, 0.2982, 0.3232



19.4231, 0.2026, 0.2495



1.3886, 0.2067, 0.2639

Inverse Universe

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



19.5664, 0.3753, 0.1973



25.4655, 0.3911, 0.1941



43.8860, 0.4540, 0.4578



13.2184, 0.3174, 0.3114



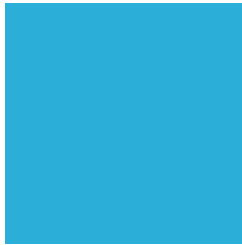
10.5845, 0.3928, 0.1937



0.6989, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 36.1833, 0.2119, 0.2658 looks on a white background.

Color Contrast Check

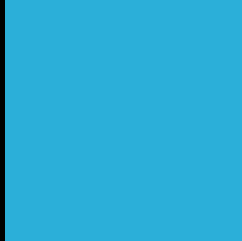
Large Text (above 18pt) WCAG AA × Fail

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 36.1833, 0.2119, 0.2658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

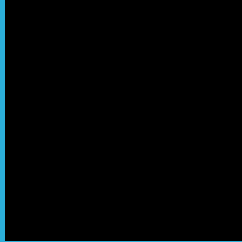
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1833, 0.2119, 0.2658

Background



This preview shows how black text looks on a background with the Yxy color 36.1833, 0.2119, 0.2658.



This preview shows how white text looks on a background with the Yxy color 36.1833, 0.2119, 0.2658.

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

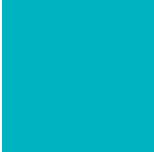
36.1833, 0.2119, 0.2658

Protanopia

35.5936, 0.2670, 0.2653

Deuteranopia

35.7675, 0.2511, 0.2454



Tritanopia

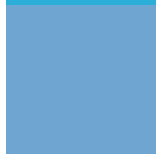
36.0905, 0.2184, 0.3061

Trichromacy



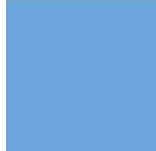
Original Color

36.1833, 0.2119, 0.2658



Protanomaly

34.8287, 0.2385, 0.2646



Deuteranomaly

35.1417, 0.2304, 0.2506



Tritanomaly

36.2152, 0.2153, 0.2910

Monochromacy



Original Color

36.1833, 0.2119, 0.2658



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.6129, 0.2578, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1833, 0.2119, 0.2658 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(43, 175, 217)` looks like.

```
.text, #text, p{  
    color:rgb(43, 175, 217)  
}
```

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(43, 175, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 175, 217) }
```

Border

The CSS property to change the border of an element to Yxy 36.1833, 0.2119, 0.2658 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(43, 175, 217) }
```

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

```
.border{ border-color:rgb(43, 175, 217) }
```

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

Here you see how a box with a 4 pixel rgb(43, 175, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 175, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 175, 217);  
box-shadow:4px 4px 4px 4px rgb(43, 175,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1833, 0.2119, 0.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 175, 217) }
```

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

```
.background{ background-color: rgb(43, 175,  
217) }
```

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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