

Converting Colors

$Yxy(36.0439, 0.2143, 0.2823)$

Have a look what the booklet for
Yxy(36.0439, 0.2143, 0.2823)
contains.

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Color

Yxy(36.2105, 0.2143, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	1DB1CF
RGB	29, 177, 207
RGB Percent	11%, 69%, 81%
CMY	0.8868, 0.3059, 0.1882
CMYK	0.86, 0.14, 0.00, 0.19
HSL	190°, 76%, 46%
HSV	190°, 86%, 81%
XYZ	27.4882, 36.2105, 64.5709
YIQ	136.1680, -97.8380, -22.0460

Conversions

Conversions Part 2

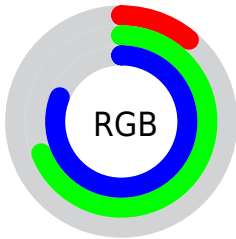
Format	Color
R_{YB}	29, 110, 207
Decimal	1946063
CIE _{Lab}	66.68, -25.73, -25.48
CIE _{LCh}	67, 36.209, 224.720
Yxy	36.2105, 0.2143, 0.2823
Android (android.graphics.Color)	4280136143 (0xFF1DB1CF)
YUV	136.1680, 34.9202, -93.9863
Hunter-Lab	60.1752, -23.7673, -21.4985

Details

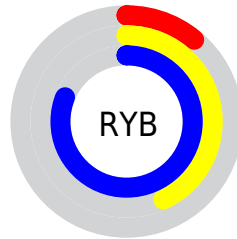
The Yxy color **36.2105, 0.2143, 0.2823** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.4680, 0.5870, 0.3514**, and the grayscale version is **24.5682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8128, 0.2357, 0.3025**, and **16.7152, 0.2078, 0.2681** is the 20% darker color. If you saturate the color by 10%, you get **34.6457, 0.2106, 0.2763**, and if you desaturate by 10%, it is **38.0144, 0.2198, 0.2884**.

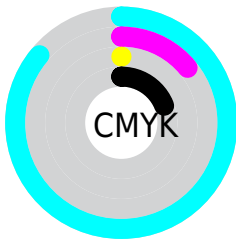
Distribution



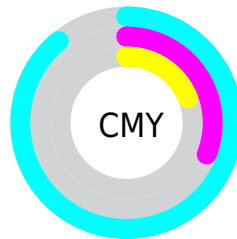
- Red (11%)
- Green (69%)
- Blue (81%)



- Red (11%)
- Yellow (43%)
- Blue (81%)



- Cyan (86%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)





- Cyan (89%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2105, 0.2143, 0.2823 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 36.2105, 0.2143, 0.2823 by changing the saturation by 10% instead.

 36.2105, 0.2143,
0.2823


 36.2105, 0.2143,
0.2823


329.8797, 0.2633,
0.3079


 24.5968, 0.2024,
0.2753


 69.3568, 0.2319,
0.2921

 15.7769, 0.1873,
0.2660


 91.6583, 0.2386,
0.2956


 9.3664, 0.1678,
0.2532


 118.2911, 0.2443,
0.2985

 4.9810, 0.1419,
0.2347

 149.6397, 0.2492,
0.3010

 2.2361, 0.1069,
0.2060

 186.0885, 0.2534,
0.3031

 0.7396, 0.0167,
0.1651

228.0218, 0.2571,

 0.0000, 0.0000,

0.3049

0.0000

275.8240, 0.2604,
0.3065

■ 36.2105, 0.2143,
0.2823

■ 36.2105, 0.2143,
0.2823

■ 34.6457, 0.2106,
0.2763

■ 38.0144, 0.2198,
0.2884

■ 34.0654, 0.2094,
0.2740

■ 40.0895, 0.2272,
0.2944

■ 42.4659, 0.2366,
0.3004

■ 45.1682, 0.2476,
0.3062

■ 48.2184, 0.2601,
0.3118

■ 51.6366, 0.2738,
0.3170

■ 55.4408, 0.2883,
0.3219

■ 59.6481, 0.3034,
0.3265

■ 64.2745, 0.3188,
0.3306

Harmonies

Analogous

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



36.2105, 0.2315, 0.3322



36.2105, 0.2143, 0.2823



36.2105, 0.2203, 0.2514

Triad

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



36.2105, 0.2143, 0.2823



36.2105, 0.3514, 0.2793



36.2105, 0.3746, 0.4262

Complementary

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



36.2105, 0.2143, 0.2823



16.4680, 0.5870, 0.3514

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.



36.2105, 0.4120, 0.4004



36.2105, 0.2143, 0.2823



36.2105, 0.3997, 0.3174

Square

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



36.2105, 0.2143, 0.2823



36.2105, 0.2952, 0.2525



36.2105, 0.4222, 0.3604



36.2105, 0.3224, 0.4237

Rectangle

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



36.2105, 0.2143, 0.2823



36.2105, 0.2367, 0.2429



36.2105, 0.4222, 0.3604



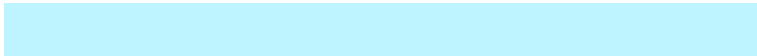
36.2105, 0.3894, 0.4201

Sweetspot

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



36.2118, 0.2143, 0.2823



82.6036, 0.2734, 0.3169



45.1960, 0.2936, 0.5625



17.2559, 0.2685, 0.3151



0.0000, 0.0000, 0.0000



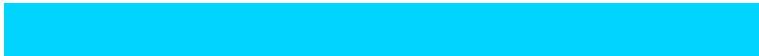
21.4041, 0.3127, 0.3290

Same Dimension

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



36.2118, 0.2143, 0.2823



54.3389, 0.2092, 0.2733



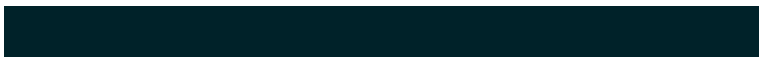
11.7853, 0.1745, 0.1346



13.0541, 0.2983, 0.3250



21.5835, 0.2097, 0.2748



1.2988, 0.2127, 0.2858

Inverse Universe

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



17.3127, 0.3607, 0.1831



26.0167, 0.3697, 0.1810



34.4160, 0.4752, 0.4483



11.9734, 0.3163, 0.3099



10.2501, 0.3683, 0.1803



0.5824, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 36.2105, 0.2143, 0.2823 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 36.2105, 0.2143, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

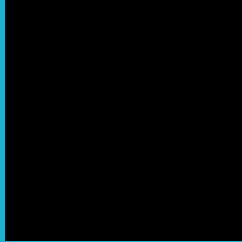
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2105, 0.2143, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 36.2105, 0.2143, 0.2823.

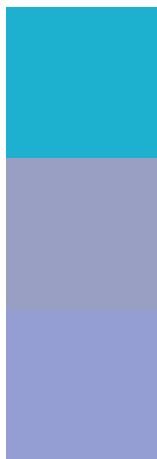


This preview shows how white text looks on a background with the Yxy color 36.2105, 0.2143, 0.2823.

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

36.2105, 0.2143, 0.2823

Protanopia

35.5087, 0.2775, 0.2785

Deuteranopia

35.5464, 0.2627, 0.2567



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

36.2105, 0.2143, 0.2823

Protanomaly

34.5841, 0.2433, 0.2793

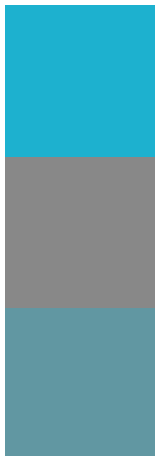
Deuteranomaly

34.5667, 0.2351, 0.2629

Tritanomaly

35.9892, 0.2165, 0.2969

Monochromacy



Original Color

36.2105, 0.2143, 0.2823

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

27.2832, 0.2557, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2105, 0.2143, 0.2823 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(29, 177, 207)` looks like.

```
.text, #text, p{  
    color:rgb(29, 177, 207)  
}
```

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(29, 177, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 177, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.2105, 0.2143, 0.2823 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(29, 177, 207) }
```

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

```
.border{ border-color:rgb(29, 177, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 177, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 177, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 177, 207);  
box-shadow:4px 4px 4px 4px rgb(29, 177,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2105, 0.2143, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 177, 207) }
```

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

```
.background{ background-color: rgb(29, 177,  
207) }
```

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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