

Converting Colors

$Y_{xy}(33.1400, 0.2015, 0.2313)$

Have a look what the booklet for
Yxy(33.1400, 0.2015, 0.2313)
contains.

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Color

Yxy(33.1876, 0.2016, 0.2316)

Conversions

Conversions Part 1

Format	Color
Hex	28A5E8
RGB	40, 165, 232
RGB Percent	16%, 65%, 91%
CMY	0.8439, 0.3529, 0.0902
CMYK	0.83, 0.29, 0.00, 0.09
HSL	201°, 81%, 53%
HSV	201°, 83%, 91%
XYZ	28.8887, 33.1876, 81.2208
YIQ	135.2630, -96.0070, -5.6630

Conversions

Conversions Part 2

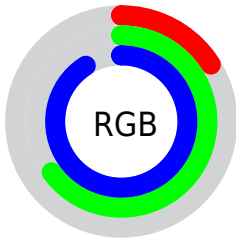
Format	Color
R _Y B	40, 116, 232
Decimal	2663912
CIE Lab	64.31, -10.00, -42.91
CIE LCh	64, 44.064, 256.884
Yxy	33.1876, 0.2016, 0.2316
Android (android.graphics.Color)	4280853992 (0xFF28A5E8)
YUV	135.2630, 47.6913, -83.5457
Hunter-Lab	57.6087, -11.3038, -43.2651

Details

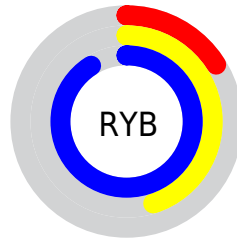
The Yxy color **33.1876, 0.2016, 0.2316** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **27.7775, 0.5404, 0.3860**, and the grayscale version is **24.1583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2580, 0.2352, 0.2865**, and **14.9448, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **30.0315, 0.1950, 0.2183**, and if you desaturate by 10%, it is **36.8083, 0.2103, 0.2451**.

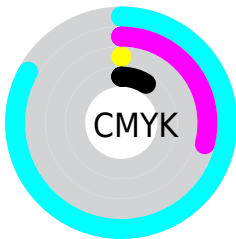
Distribution



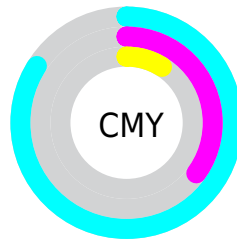
- Red (16%)
- Green (65%)
- Blue (91%)



- Red (16%)
- Yellow (45%)
- Blue (91%)



- Cyan (83%)
- Magenta (29%)
- Yellow (0%)
- Black (9%)





- Cyan (84%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1876, 0.2016, 0.2316 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 33.1876, 0.2016, 0.2316 by changing the saturation by 10% instead.

 33.1876, 0.2016,
0.2316

 33.1876, 0.2016,
0.2316


316.4942, 0.2568,
0.2816

 22.2702, 0.1884,
0.2192


 64.6683, 0.2213,
0.2498


 14.0556, 0.1719,
0.2035


 86.0004, 0.2289,
0.2566

 8.1593, 0.1511,
0.1831


 111.5729, 0.2353,
0.2624

 4.1971, 0.1243,
0.1562

 141.7701, 0.2408,
0.2674

 1.7844, 0.0899,
0.1201

 176.9764, 0.2456,
0.2716

 0.4774, 0.0294,
0.0670

217.5763, 0.2498,

 0.0000, 0.0000,

0.2754

0.0000

263.9541, 0.2535,
0.2787

■ 33.1876, 0.2016,
0.2316

■ 33.1876, 0.2016,
0.2316

■ 30.0315, 0.1950,
0.2183

■ 36.8083, 0.2103,
0.2451

■ 28.0043, 0.1914,
0.2089

■ 40.9372, 0.2210,
0.2586

■ 45.6145, 0.2334,
0.2717

■ 50.8745, 0.2472,
0.2843

■ 56.7481, 0.2619,
0.2962

■ 63.2636, 0.2773,
0.3073

■ 70.4470, 0.2928,
0.3174

■ 78.3229, 0.3084,
0.3266

■ 86.9144, 0.3236,
0.3348

Harmonies

Analogous

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



33.1876, 0.1923, 0.2659



33.1876, 0.2016, 0.2316



33.1876, 0.2367, 0.2234

Triad

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



33.1876, 0.2016, 0.2316



33.1876, 0.4252, 0.3169



33.1876, 0.3180, 0.4482

Complementary

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



33.1876, 0.2016, 0.2316



27.7775, 0.5404, 0.3860

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.



33.1876, 0.3832, 0.4514



33.1876, 0.2016, 0.2316



33.1876, 0.4499, 0.3685

Square

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



33.1876, 0.2016, 0.2316



33.1876, 0.3656, 0.2709



33.1876, 0.4326, 0.4179



33.1876, 0.2547, 0.3986

Rectangle

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



33.1876, 0.2016, 0.2316



33.1876, 0.2734, 0.2307



33.1876, 0.4326, 0.4179



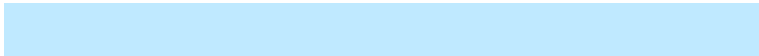
33.1876, 0.3404, 0.4546

Sweetspot

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



33.1887, 0.2016, 0.2316



76.4836, 0.2737, 0.3048



59.1531, 0.2822, 0.5182



15.7545, 0.2683, 0.3010



0.0000, 0.0000, 0.0000



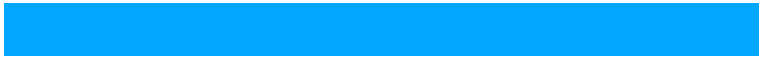
21.4041, 0.3127, 0.3290

Same Dimension

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



33.1887, 0.2016, 0.2316



34.8807, 0.1917, 0.2096



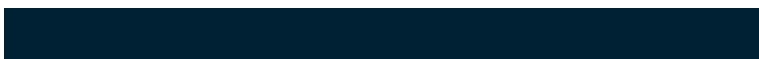
10.8872, 0.1671, 0.1026



15.4465, 0.2981, 0.3206



15.7925, 0.1920, 0.2110



1.3393, 0.1973, 0.2302

Inverse Universe

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



21.3765, 0.4091, 0.2142



24.1061, 0.4345, 0.2171



58.5974, 0.4403, 0.4751



14.5254, 0.3191, 0.3138



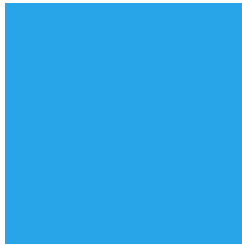
10.7920, 0.4330, 0.2159



0.8149, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 33.1876, 0.2016, 0.2316 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 33.1876, 0.2016, 0.2316 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

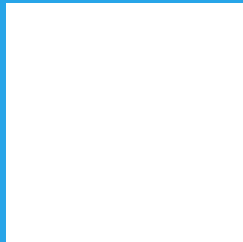
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1876, 0.2016, 0.2316

Background



This preview shows how black text looks on a background with the Yxy color 33.1876, 0.2016, 0.2316.

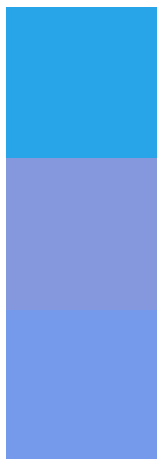


This preview shows how white text looks on a background with the Yxy color 33.1876, 0.2016, 0.2316.

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

33.1876, 0.2016, 0.2316

Protanopia

32.7169, 0.2427, 0.2330

Deuteranopia

32.8913, 0.2260, 0.2194



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.1876, 0.2016, 0.2316

Protanomaly

32.2576, 0.2213, 0.2308

Deuteranomaly

32.5181, 0.2134, 0.2224

Tritanomaly

32.7336, 0.2110, 0.2759

Monochromacy



Original Color

33.1876, 0.2016, 0.2316

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.1694, 0.2509, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1876, 0.2016, 0.2316 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, 165, 232)` looks like.

```
.text, #text, p{  
    color:rgb(40, 165, 232)  
}
```

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, 165, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 165, 232) }
```

Border

The CSS property to change the border of an element to Yxy 33.1876, 0.2016, 0.2316 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, 165, 232) }
```

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

```
.border{ border-color:rgb(40, 165, 232) }
```

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

Here you see how a box with a 4 pixel rgb(40, 165, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 165, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 165, 232);  
box-shadow:4px 4px 4px 4px rgb(40, 165,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1876, 0.2016, 0.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 165, 232) }
```

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

```
.background{ background-color: rgb(40, 165,  
232) }
```

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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