

Converting Colors

$Y_{xy}(32.0113, 0.1985, 0.2205)$

Have a look what the booklet for
Yxy(32.0113, 0.1985, 0.2205)
contains.

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Color

Yxy(31.9970, 0.1987, 0.2210)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 28A1EC |
| RGB | 40, 161, 236 |
| RGB Percent | 16%, 63%, 93% |
| CMY | 0.8420, 0.3687, 0.0745 |
| CMYK | 0.83, 0.32, 0.00, 0.07 |
| HSL | 203°, 84%, 54% |
| HSV | 203°, 83%, 93% |
| XYZ | 28.7683, 31.9970, 84.0175 |
| YIQ | 133.3710, -96.1910, -2.3270 |

Conversions

Conversions Part 2

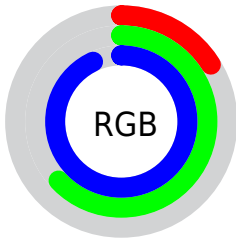
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 40, 115, 236 |
| Decimal | 2662892 |
| CIE Lab | 63.34, -6.28, -46.65 |
| CIE LCh | 63, 47.069, 262.337 |
| Yxy | 31.9970, 0.1987, 0.2210 |
| Android (android.graphics.Color) | 4280852972 (0xFF28A1EC) |
| YUV | 133.3710, 50.5961, -81.8864 |
| Hunter-Lab | 56.5659, -8.2086, -48.4675 |

Details

The Yxy color **31.9970, 0.1987, 0.2210** 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 **30.3209, 0.5331, 0.3928**, and the grayscale version is **23.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1833, 0.2342, 0.2814**, and **14.4471, 0.1879, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **28.6095, 0.1917, 0.2063**, and if you desaturate by 10%, it is **35.9041, 0.2079, 0.2360**.

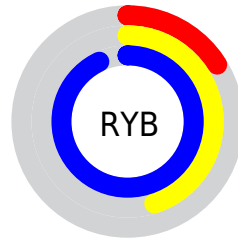
Distribution



Red (16%)

Green (63%)

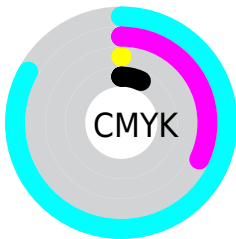
Blue (93%)



Red (16%)

Yellow (45%)

Blue (93%)

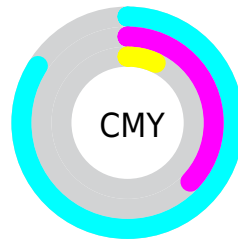


Cyan (83%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (84%)


Magenta (37%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9970, 0.1987, 0.2210 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 31.9970, 0.1987, 0.2210 by changing the saturation by 10% instead.


 31.9970, 0.1987,
0.2210


 31.9970, 0.1987,
0.2210


311.1056, 0.2555,
0.2759

 21.3592, 0.1851,
0.2076


 62.8064, 0.2190,
0.2408


 13.3868, 0.1683,
0.1907


 83.7468, 0.2267,
0.2483

 7.6955, 0.1470,
0.1692


 108.8901, 0.2333,
0.2547

 3.9007, 0.1198,
0.1412

 138.6209, 0.2390,
0.2602

 1.6182, 0.0854,
0.1047

 173.3234, 0.2440,
0.2649

 0.3698, 0.0263,
0.0491

213.3821, 0.2483,

 0.0000, 0.0000,

0.2690

0.0000

259.1814, 0.2521,
0.2727

■ 31.9970, 0.1987,
0.2210

■ 31.9970, 0.1987,
0.2210

■ 28.6095, 0.1917,
0.2063

■ 35.9041, 0.2079,
0.2360

■ 26.4726, 0.1878,
0.1962

■ 40.3779, 0.2191,
0.2509

■ 45.4615, 0.2320,
0.2655

■ 51.1918, 0.2462,
0.2795

■ 57.6023, 0.2613,
0.2927

■ 64.7234, 0.2769,
0.3049

■ 72.5835, 0.2926,
0.3161

■ 81.2091, 0.3082,
0.3262

■ 90.6253, 0.3234,
0.3353

Harmonies

Analogous

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



31.9970, 0.1838, 0.2517



31.9970, 0.1987, 0.2210



31.9970, 0.2407, 0.2173

Triad

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



31.9970, 0.1987, 0.2210



31.9970, 0.4426, 0.3250



31.9970, 0.3044, 0.4527

Complementary

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



31.9970, 0.1987, 0.2210



30.3209, 0.5331, 0.3928

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.



31.9970, 0.3756, 0.4643



31.9970, 0.1987, 0.2210



31.9970, 0.4604, 0.3802

Square

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



31.9970, 0.1987, 0.2210



31.9970, 0.3832, 0.2747



31.9970, 0.4335, 0.4319



31.9970, 0.2393, 0.3909

Rectangle

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



31.9970, 0.1987, 0.2210



31.9970, 0.2825, 0.2278



31.9970, 0.4335, 0.4319



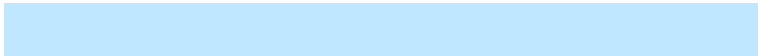
31.9970, 0.3285, 0.4627

Sweetspot

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



31.9980, 0.1987, 0.2210



75.2369, 0.2735, 0.3024



61.6201, 0.2797, 0.5097



15.4559, 0.2680, 0.2981



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.



31.9980, 0.1987, 0.2210



31.4208, 0.1877, 0.1956



10.4553, 0.1653, 0.0960



16.0958, 0.2981, 0.3198



14.8499, 0.1885, 0.1985



1.3512, 0.1940, 0.2185

Inverse Universe

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



21.9434, 0.4201, 0.2206



23.7031, 0.4503, 0.2254



64.0360, 0.4349, 0.4801



15.2102, 0.3197, 0.3146



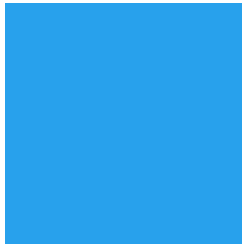
10.9919, 0.4470, 0.2236



0.8818, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 31.9970, 0.1987, 0.2210 looks on a white background.

Color Contrast Check

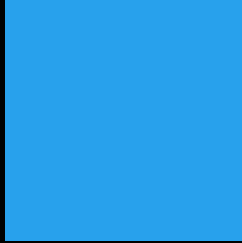
Large Text (above 18pt) WCAG AA × Fail

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 31.9970, 0.1987, 0.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

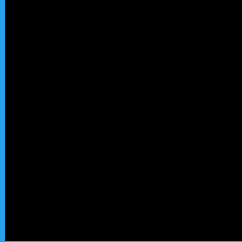
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

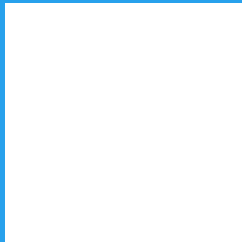
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9970, 0.1987, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 31.9970, 0.1987, 0.2210.



This preview shows how white text looks on a background with the Yxy color 31.9970, 0.1987, 0.2210.

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

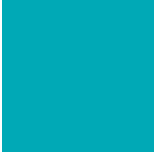
31.9970, 0.1987, 0.2210

Protanopia

31.7393, 0.2352, 0.2246

Deuteranopia

31.7553, 0.2185, 0.2120



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



Original Color

31.9970, 0.1987, 0.2210

Protanomaly

31.2573, 0.2166, 0.2215

Deuteranomaly

31.3961, 0.2086, 0.2142

Tritanomaly

31.6383, 0.2097, 0.2708

Monochromacy



Original Color

31.9970, 0.1987, 0.2210

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.1998, 0.2493, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9970, 0.1987, 0.2210 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, 161, 236)` looks like.

```
.text, #text, p{  
    color:rgb(40, 161, 236)  
}
```

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, 161, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 161, 236) }
```

Border

The CSS property to change the border of an element to Yxy 31.9970, 0.1987, 0.2210 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, 161, 236) }
```

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

```
.border{ border-color:rgb(40, 161, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 161, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 161, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 161, 236);  
box-shadow:4px 4px 4px 4px rgb(40, 161,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9970, 0.1987, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 161, 236) }
```

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

```
.background{ background-color: rgb(40, 161,  
236) }
```

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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