

Converting Colors

$Y_{xy}(31.7978, 0.2112, 0.2641)$

Have a look what the booklet for
Yxy(31.7978, 0.2112, 0.2641)
contains.

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Color

Yxy(31.7978, 0.2112, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	27A5CE
RGB	39, 165, 206
RGB Percent	15%, 65%, 81%
CMY	0.8472, 0.3529, 0.1922
CMYK	0.81, 0.20, 0.00, 0.19
HSL	195°, 68%, 48%
HSV	195°, 81%, 81%
XYZ	25.4286, 31.7978, 63.1742
YIQ	132.0000, -88.2570, -13.9610

Conversions

Conversions Part 2

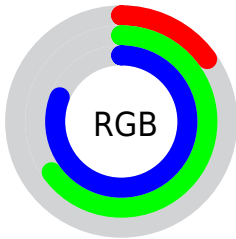
Format	Color
RYP	39, 111, 206
Decimal	2598350
CIELab	63.18, -19.09, -30.30
CIElCh	63, 35.815, 237.784
Yxy	31.7978, 0.2112, 0.2641
Android (android.graphics.Color)	4280788430 (0xFF27A5CE)
YUV	132.0000, 36.4820, -81.5610
Hunter-Lab	56.3895, -18.1879, -26.9510

Details

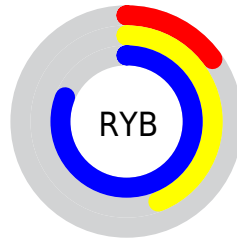
The Yxy color **31.7978, 0.2112, 0.2641** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **18.9924, 0.5542, 0.3671**, and the grayscale version is **22.9611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9171, 0.2333, 0.2863**, and **14.0773, 0.2014, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **29.7134, 0.2056, 0.2550**, and if you desaturate by 10%, it is **34.1744, 0.2188, 0.2732**.

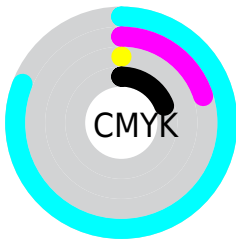
Distribution



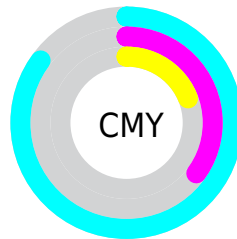
- Red (15%)
- Green (65%)
- Blue (81%)



- Red (15%)
- Yellow (44%)
- Blue (81%)



- Cyan (81%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)




- Cyan (85%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7978, 0.2112, 0.2641 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 31.7978, 0.2112, 0.2641 by changing the saturation by 10% instead.


 31.7978, 0.2112,
0.2641


 31.7978, 0.2112,
0.2641


310.1971, 0.2626,
0.2992


 21.2071, 0.1985,
0.2547


 62.4940, 0.2299,
0.2774


 13.2755, 0.1823,
0.2422


 83.3682, 0.2369,
0.2822


 7.6185, 0.1613,
0.2253


 108.4391, 0.2428,
0.2863

 3.8518, 0.1333,
0.2011

 138.0911, 0.2479,
0.2896

 1.5910, 0.0957,
0.1650

 172.7085, 0.2523,
0.2926

 0.3515, 0.0000,
0.0922

212.6757, 0.2562,

 0.0000, 0.0000,

0.2951

0.0000

258.3771, 0.2596,
0.2973

■ 31.7978, 0.2112,
0.2641

■ 31.7978, 0.2112,
0.2641

■ 29.7134, 0.2056,
0.2550

■ 34.1744, 0.2188,
0.2732

■ 28.0477, 0.2019,
0.2470

■ 36.8717, 0.2283,
0.2823

■ 39.9175, 0.2395,
0.2912

■ 43.3353, 0.2522,
0.2996

■ 47.1464, 0.2660,
0.3077

■ 51.3700, 0.2806,
0.3152

■ 56.0240, 0.2957,
0.3221

■ 61.1251, 0.3111,
0.3284

■ 66.6891, 0.3263,
0.3340

Harmonies

Analogous

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



31.7978, 0.2184, 0.3078



31.7978, 0.2112, 0.2641



31.7978, 0.2274, 0.2422

Triad

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



31.7978, 0.2112, 0.2641



31.7978, 0.3766, 0.2938



31.7978, 0.3539, 0.4328

Complementary

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



31.7978, 0.2112, 0.2641



18.9924, 0.5542, 0.3671

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.



31.7978, 0.4010, 0.4168



31.7978, 0.2112, 0.2641



31.7978, 0.4167, 0.3359

Square

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



31.7978, 0.2112, 0.2641



31.7978, 0.3195, 0.2605



31.7978, 0.4252, 0.3800



31.7978, 0.2981, 0.4146

Rectangle

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



31.7978, 0.2112, 0.2641



31.7978, 0.2505, 0.2398



31.7978, 0.4252, 0.3800



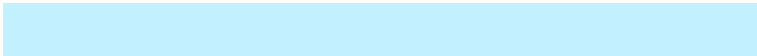
31.7978, 0.3713, 0.4307

Sweetspot

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



31.7989, 0.2112, 0.2641



80.9756, 0.2758, 0.3128



45.1110, 0.2889, 0.5370



16.8038, 0.2706, 0.3101



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.



31.7989, 0.2112, 0.2641



45.9974, 0.2027, 0.2486



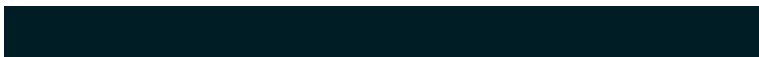
11.1494, 0.1757, 0.1297



12.2427, 0.2983, 0.3232



17.4343, 0.2023, 0.2483



1.0138, 0.2072, 0.2659

Inverse Universe

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



17.2841, 0.3770, 0.1977



25.3357, 0.3935, 0.1951



38.9086, 0.4549, 0.4581



11.3549, 0.3175, 0.3117



9.5630, 0.3939, 0.1944



0.5049, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 31.7978, 0.2112, 0.2641 looks on a white background.

Color Contrast Check

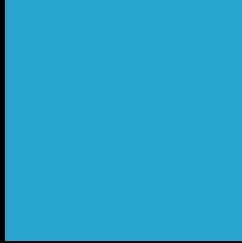
Large Text (above 18pt) WCAG AA × Fail

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 31.7978, 0.2112, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

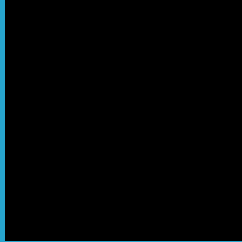
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7978, 0.2112, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 31.7978, 0.2112, 0.2641.

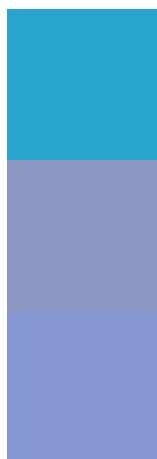


This preview shows how white text looks on a background with the Yxy color 31.7978, 0.2112, 0.2641.

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

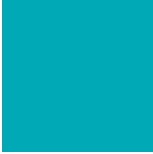
31.7978, 0.2112, 0.2641

Protanopia

31.3283, 0.2655, 0.2635

Deuteranopia

31.4027, 0.2503, 0.2450



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



Original Color

31.7978, 0.2112, 0.2641

Protanomaly

30.4498, 0.2371, 0.2613

Deuteranomaly

30.6494, 0.2297, 0.2492

Tritanomaly

31.8602, 0.2151, 0.2906

Monochromacy



Original Color

31.7978, 0.2112, 0.2641

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

25.0464, 0.2568, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7978, 0.2112, 0.2641 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(39, 165, 206)` looks like.

```
.text, #text, p{  
    color:rgb(39, 165, 206)  
}
```

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(39, 165, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 165, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.7978, 0.2112, 0.2641 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(39, 165, 206) }
```

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

```
.border{ border-color:rgb(39, 165, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 165, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 165, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 165, 206);  
box-shadow:4px 4px 4px 4px rgb(39, 165,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7978, 0.2112, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 165, 206) }
```

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

```
.background{ background-color: rgb(39, 165,  
206) }
```

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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