

Converting Colors

$Y_{xy}(31.4951, 0.2079, 0.2636)$

Have a look what the booklet for
Yxy(31.4951, 0.2079, 0.2636)
contains.

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Color

Yxy(31.4951, 0.2079, 0.2636)

Conversions

Conversions Part 1

Format	Color
Hex	12A5CE
RGB	18, 165, 206
RGB Percent	7%, 65%, 81%
CMY	0.9300, 0.3529, 0.1923
CMYK	0.91, 0.20, 0.00, 0.19
HSL	193°, 84%, 44%
HSV	193°, 91%, 81%
XYZ	24.8400, 31.4951, 63.1455
YIQ	125.7210, -100.7730, -18.4130

Conversions

Conversions Part 2

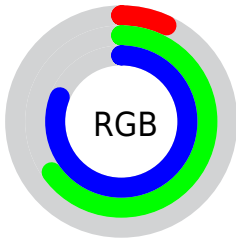
Format	Color
R _Y B	18, 100, 206
Decimal	1222094
CIE Lab	62.92, -20.51, -30.71
CIE LCh	63, 36.931, 236.260
Yxy	31.4951, 0.2079, 0.2636
Android (android.graphics.Color)	4279412174 (0xFF12A5CE)
YUV	125.7210, 39.5775, -94.4713
Hunter-Lab	56.1205, -19.2033, -27.4274

Details

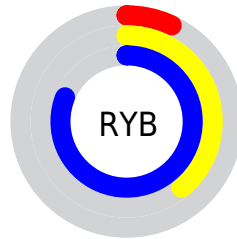
The Yxy color **31.4951, 0.2079, 0.2636** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.2698, 0.5938, 0.3564**, and the grayscale version is **20.6382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4097, 0.2304, 0.2860**, and **14.0773, 0.2014, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **29.9883, 0.2047, 0.2568**, and if you desaturate by 10%, it is **33.4362, 0.2131, 0.2716**.

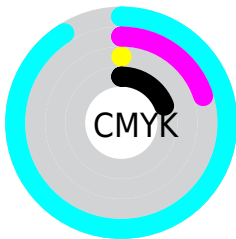
Distribution



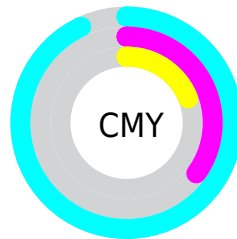
- Red (7%)
- Green (65%)
- Blue (81%)



- Red (7%)
- Yellow (39%)
- Blue (81%)



- Cyan (91%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)





- Cyan (93%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4951, 0.2079, 0.2636 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 31.4951, 0.2079, 0.2636 by changing the saturation by 10% instead.


 31.4951, 0.2079,
0.2636

 31.4951, 0.2079,
0.2636


308.8128, 0.2609,
0.2991

 20.9761, 0.1948,
0.2540


 62.0187, 0.2271,
0.2771

 13.1066, 0.1782,
0.2414


 82.7922, 0.2344,
0.2820

 7.5020, 0.1567,
0.2241


 107.7526, 0.2405,
0.2861

 3.7780, 0.1282,
0.1994

 137.2844, 0.2458,
0.2895

 1.5501, 0.0902,
0.1627

 171.7719, 0.2503,
0.2924

 0.3236, 0.0000,
0.0856

211.5995, 0.2543,

 0.0000, 0.0000,

0.2950

0.0000

257.1517, 0.2578,
0.2972

■ 31.4951, 0.2079,
0.2636

■ 31.4951, 0.2079,
0.2636

■ 29.9883, 0.2047,
0.2568

■ 33.4362, 0.2131,
0.2716

■ 35.6507, 0.2202,
0.2796

■ 38.1712, 0.2292,
0.2876

■ 41.0244, 0.2400,
0.2953

■ 44.2337, 0.2524,
0.3028

■ 47.8200, 0.2659,
0.3099

■ 51.8024, 0.2804,
0.3166

■ 56.1988, 0.2954,
0.3227

■ 61.0254, 0.3107,
0.3283

Harmonies

Analogous

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



31.4951, 0.2165, 0.3097



31.4951, 0.2079, 0.2636



31.4951, 0.2234, 0.2401

Triad

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



31.4951, 0.2079, 0.2636



31.4951, 0.3760, 0.2906



31.4951, 0.3578, 0.4364

Complementary

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



31.4951, 0.2079, 0.2636



16.2698, 0.5938, 0.3564

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.



31.4951, 0.4057, 0.4179



31.4951, 0.2079, 0.2636



31.4951, 0.4190, 0.3336

Square

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



31.4951, 0.2079, 0.2636



31.4951, 0.3166, 0.2570



31.4951, 0.4294, 0.3790



31.4951, 0.3004, 0.4197

Rectangle

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



31.4951, 0.2079, 0.2636



31.4951, 0.2464, 0.2369



31.4951, 0.4294, 0.3790



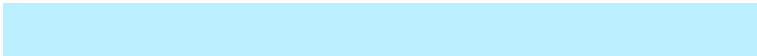
31.4951, 0.3756, 0.4335

Sweetspot

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



31.4962, 0.2079, 0.2636



80.0029, 0.2716, 0.3126



44.5691, 0.2918, 0.5632



16.6596, 0.2667, 0.3103



0.0000, 0.0000, 0.0000



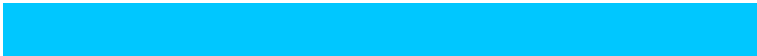
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4962, 0.2079, 0.2636



48.2858, 0.2044, 0.2558



9.1077, 0.1661, 0.1108



12.2963, 0.2983, 0.3238



18.6186, 0.2050, 0.2579



1.0661, 0.2093, 0.2734

Inverse Universe

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



16.2628, 0.3785, 0.1897



25.4056, 0.3865, 0.1903



35.8364, 0.4714, 0.4579



11.3603, 0.3170, 0.3111



9.6826, 0.3844, 0.1891



0.5102, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 31.4951, 0.2079, 0.2636 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 31.4951, 0.2079, 0.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

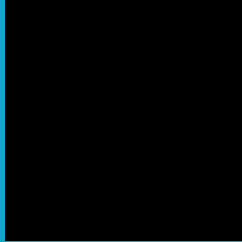
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4951, 0.2079, 0.2636

Background



This preview shows how black text looks on a background with the Yxy color 31.4951, 0.2079, 0.2636.

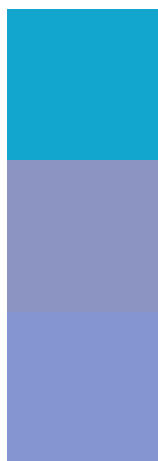


This preview shows how white text looks on a background with the Yxy color 31.4951, 0.2079, 0.2636.

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

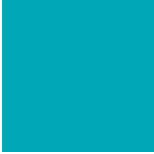
31.4951, 0.2079, 0.2636

Protanopia

30.9654, 0.2661, 0.2632

Deuteranopia

31.0536, 0.2487, 0.2422



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



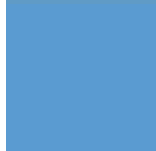
Original Color

31.4951, 0.2079, 0.2636



Protanomaly

30.0067, 0.2334, 0.2619



Deuteranomaly

30.2198, 0.2243, 0.2469



Tritanomaly

31.3939, 0.2144, 0.2903

Monochromacy



Original Color

31.4951, 0.2079, 0.2636



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.1490, 0.2502, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4951, 0.2079, 0.2636 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(18, 165, 206)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 165, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 165, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.4951, 0.2079, 0.2636 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(18, 165, 206) }
```

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

```
.border{ border-color:rgb(18, 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(18, 165, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 165, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 165, 206);  
box-shadow:4px 4px 4px 4px rgb(18, 165,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4951, 0.2079, 0.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 165, 206) }
```

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

```
.background{ background-color: rgb(18, 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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