

Converting Colors

$Yxy(21.7315, 0.2101, 0.2699)$

Have a look what the booklet for
Yxy(21.7315, 0.2101, 0.2699)
contains.

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Color

$\text{Yxy}(21.8066, 0.2102, 0.2706)$

Conversions

Conversions Part 1

Format	Color
Hex	108CAB
RGB	16, 140, 171
RGB Percent	6%, 55%, 67%
CMY	0.9380, 0.4509, 0.3294
CMYK	0.91, 0.18, 0.00, 0.33
HSL	192°, 83%, 37%
HSV	192°, 91%, 67%
XYZ	16.9392, 21.8066, 41.8403
YIQ	106.4580, -83.8550, -16.6470

Conversions

Conversions Part 2

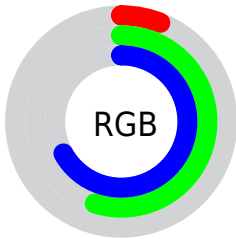
Format	Color
RYB	16, 85, 171
Decimal	1084587
CIELab	53.82, -19.58, -25.02
CIELCh	54, 31.770, 231.961
Yxy	21.8066, 0.2102, 0.2706
Android (android.graphics.Color)	4279274667 (0xFF108CAB)
YUV	106.4580, 31.8192, -79.3317
Hunter-Lab	46.6975, -16.9711, -20.4347

Details

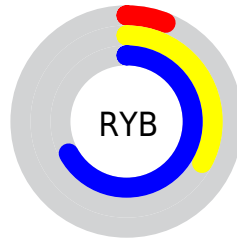
The Yxy color **21.8066, 0.2102, 0.2706** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.7109, 0.5923, 0.3545**, and the grayscale version is **14.4587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5075, 0.2313, 0.2850**, and **8.6442, 0.2032, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **20.7892, 0.2067, 0.2640**, and if you desaturate by 10%, it is **23.0341, 0.2154, 0.2778**.

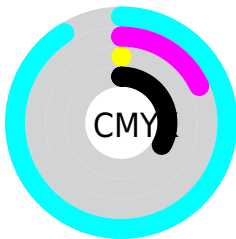
Distribution



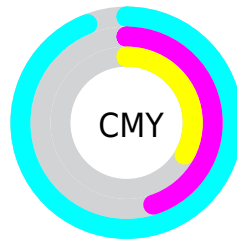
- Red (6%)
- Green (55%)
- Blue (67%)



- Red (6%)
- Yellow (33%)
- Blue (67%)



- Cyan (91%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)



- Cyan (94%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8066, 0.2102, 0.2706 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 21.8066, 0.2102, 0.2706 by changing the saturation by 10% instead.

21.8066, 0.2102,
0.2706

21.8066, 0.2102,
0.2706

261.5346, 0.2654,
0.3044

13.7149, 0.1954,
0.2605

46.4261, 0.2311,
0.2841

7.9226, 0.1758,
0.2464

63.7227, 0.2387,
0.2888

4.0455, 0.1493,
0.2259

84.8564, 0.2450,
0.2926

1.6990, 0.1123,
0.1939

110.2115, 0.2504,
0.2958

0.4230, 0.0000,
0.1303

140.1725, 0.2549,
0.2985

0.0000, 0.0000,
0.0000

175.1238, 0.2589,

0.3007

215.4497, 0.2623,
0.3027

■ 21.8066, 0.2102,
0.2706

■ 21.8066, 0.2102,
0.2706

■ 20.7892, 0.2067,
0.2640

■ 23.0341, 0.2154,
0.2778

■ 24.4353, 0.2225,
0.2850

■ 26.0303, 0.2314,
0.2921

■ 27.8355, 0.2420,
0.2991

■ 29.8656, 0.2541,
0.3058

■ 32.1335, 0.2675,
0.3121

■ 34.6512, 0.2817,
0.3181

■ 37.4298, 0.2965,
0.3236

■ 40.4797, 0.3116,
0.3286

Harmonies

Analogous

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



21.8066, 0.2221, 0.3183



21.8066, 0.2102, 0.2706



21.8066, 0.2220, 0.2443

Triad

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



21.8066, 0.2102, 0.2706



21.8066, 0.3665, 0.2862



21.8066, 0.3644, 0.4327

Complementary

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



21.8066, 0.2102, 0.2706



10.7109, 0.5923, 0.3545

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.



21.8066, 0.4084, 0.4112



21.8066, 0.2102, 0.2706



21.8066, 0.4117, 0.3273

Square

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



21.8066, 0.2102, 0.2706



21.8066, 0.3082, 0.2552



21.8066, 0.4269, 0.3718



21.8066, 0.3089, 0.4216

Rectangle

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



21.8066, 0.2102, 0.2706



21.8066, 0.2425, 0.2391



21.8066, 0.4269, 0.3718



21.8066, 0.3811, 0.4285

Sweetspot

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



21.8074, 0.2102, 0.2706



58.9811, 0.2720, 0.3141



29.4154, 0.2933, 0.5664



12.8325, 0.2674, 0.3121



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.8074, 0.2102, 0.2706



36.9297, 0.2063, 0.2628



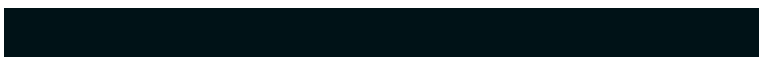
6.8238, 0.1699, 0.1227



8.7963, 0.2986, 0.3244



15.7484, 0.2069, 0.2647



0.5063, 0.2129, 0.2863

Inverse Universe

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



10.9159, 0.3717, 0.1869



18.7024, 0.3797, 0.1865



22.5769, 0.4766, 0.4516



8.1203, 0.3167, 0.3110



7.8929, 0.3779, 0.1855



0.2265, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 21.8066, 0.2102, 0.2706 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8066, 0.2102, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

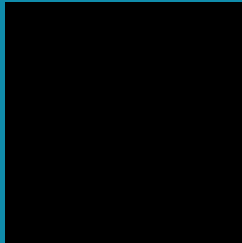
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8066, 0.2102, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 21.8066, 0.2102, 0.2706.

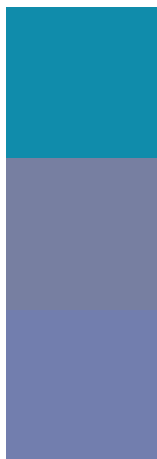


This preview shows how white text looks on a background with the Yxy color 21.8066, 0.2102, 0.2706.

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

21.8066, 0.2102, 0.2706

Protanopia

21.6739, 0.2702, 0.2707

Deuteranopia

21.5551, 0.2544, 0.2488



Tritanopia

21.6459, 0.2185, 0.3067

Trichromacy



Original Color

21.8066, 0.2102, 0.2706

Protanomaly

20.9685, 0.2361, 0.2686

Deuteranomaly

20.8694, 0.2286, 0.2538

Tritanomaly

21.6265, 0.2150, 0.2916

Monochromacy



Original Color

21.8066, 0.2102, 0.2706

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.9850, 0.2513, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8066, 0.2102, 0.2706 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(16, 140, 171)` looks like.

```
.text, #text, p{  
    color:rgb(16, 140, 171)  
}
```

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(16, 140, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 140, 171) }
```

Border

The CSS property to change the border of an element to Yxy 21.8066, 0.2102, 0.2706 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(16, 140, 171) }
```

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

```
.border{ border-color:rgb(16, 140, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 140, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 140, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 140, 171);  
box-shadow:4px 4px 4px 4px rgb(16, 140,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8066, 0.2102, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 140, 171) }
```

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

```
.background{ background-color: rgb(16, 140,  
171) }
```

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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