

Converting Colors

$Yxy(17.5112, 0.1700, 0.2693)$

Have a look what the booklet for
Yxy(17.5112, 0.1700, 0.2693)
contains.

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Color

Yxy(19.6234, 0.2098, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	0086A1
RGB	0, 134, 161
RGB Percent	0%, 53%, 63%
CMY	0.9994, 0.4745, 0.3686
CMYK	1.00, 0.17, 0.00, 0.37
HSL	190°, 100%, 32%
HSV	190°, 100%, 63%
XYZ	14.9600, 19.6234, 36.7226
YIQ	97.0120, -88.5310, -20.0110

Conversions

Conversions Part 2

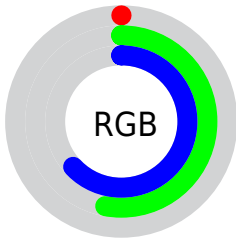
Format	Color
RYB	0, 73, 161
Decimal	34465
CIELab	51.41, -20.59, -22.99
CIELCh	51, 30.868, 228.151
Yxy	19.6234, 0.2098, 0.2752
Android (android.graphics.Color)	4278224545 (0xFF0086A1)
YUV	97.0120, 31.5461, -85.0795
Hunter-Lab	44.2983, -17.2408, -18.1416

Details

The Yxy color **19.6234, 0.2098, 0.2752** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **8.3698, 0.6215, 0.3446**, and the grayscale version is **11.9056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6224, 0.2312, 0.2874**, and **7.4448, 0.2047, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **19.6165, 0.2098, 0.2751**, and if you desaturate by 10%, it is **20.4925, 0.2134, 0.2811**.

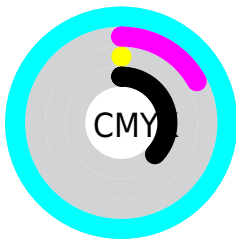
Distribution



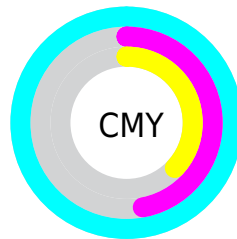
- Red (0%)
- Green (53%)
- Blue (63%)



- Red (0%)
- Yellow (29%)
- Blue (63%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6234, 0.2098, 0.2752 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 19.6234, 0.2098, 0.2752 by changing the saturation by 10% instead.

19.6234, 0.2098,
0.2752

19.6234, 0.2098,
0.2752

249.8690, 0.2661,
0.3071

12.1216, 0.1943,
0.2653

42.7849, 0.2314,
0.2882

6.8265, 0.1736,
0.2512

59.2133, 0.2392,
0.2926

3.3539, 0.1451,
0.2300

79.3861, 0.2456,
0.2962

1.3191, 0.1036,
0.1959

103.6877, 0.2510,
0.2992

0.1560, 0.0000,
0.0714

132.5023, 0.2556,
0.3016

0.0000, 0.0000,
0.0000

166.2145, 0.2596,

0.3037

205.2086, 0.2631,
0.3055

■ 19.6234, 0.2098,
0.2752

■ 19.6234, 0.2098,
0.2752

■ 19.6165, 0.2098,
0.2751

■ 20.4925, 0.2134,
0.2811

■ 21.4691, 0.2183,
0.2870

■ 22.5915, 0.2251,
0.2929

■ 23.8758, 0.2338,
0.2988

■ 25.3361, 0.2442,
0.3046

■ 26.9846, 0.2560,
0.3101

■ 28.8324, 0.2691,
0.3154

■ 30.8896, 0.2831,
0.3203

■ 33.1656, 0.2978,
0.3249

Harmonies

Analogous

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



19.6234, 0.2248, 0.3254



19.6234, 0.2098, 0.2752



19.6234, 0.2187, 0.2459

Triad

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



19.6234, 0.2098, 0.2752



19.6234, 0.3597, 0.2812



19.6234, 0.3713, 0.4321

Complementary

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



19.6234, 0.2098, 0.2752



8.3698, 0.6215, 0.3446

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.



19.6234, 0.4130, 0.4073



19.6234, 0.2098, 0.2752



19.6234, 0.4080, 0.3217

Square

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



19.6234, 0.2098, 0.2752



19.6234, 0.3008, 0.2518



19.6234, 0.4277, 0.3664



19.6234, 0.3160, 0.4258

Rectangle

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



19.6234, 0.2098, 0.2752



19.6234, 0.2374, 0.2388



19.6234, 0.4277, 0.3664



19.6234, 0.3874, 0.4266

Sweetspot

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



19.6241, 0.2098, 0.2752



51.4007, 0.2682, 0.3150



25.5738, 0.2955, 0.5838



10.9792, 0.2630, 0.3130



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.6241, 0.2098, 0.2752



34.8751, 0.2095, 0.2741



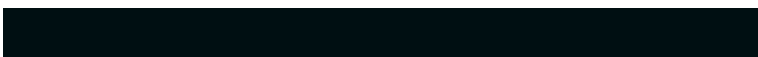
5.1912, 0.1639, 0.1099



7.8079, 0.2988, 0.3251



15.7157, 0.2099, 0.2756



0.3807, 0.2158, 0.2969

Inverse Universe

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



9.3026, 0.3679, 0.1801



16.6253, 0.3690, 0.1806



18.1754, 0.4922, 0.4473



7.1817, 0.3162, 0.3105



7.4306, 0.3675, 0.1798



0.1612, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 19.6234, 0.2098, 0.2752 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 19.6234, 0.2098, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

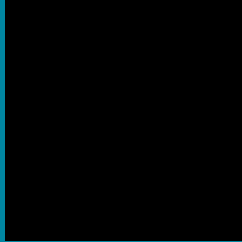
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6234, 0.2098, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 19.6234, 0.2098, 0.2752.

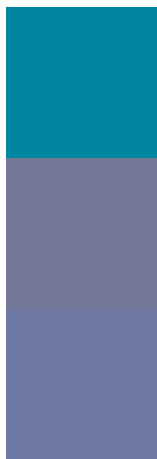


This preview shows how white text looks on a background with the Yxy color 19.6234, 0.2098, 0.2752.

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

19.6234, 0.2098, 0.2752

Protanopia

19.5539, 0.2743, 0.2751

Deuteranopia

19.4283, 0.2574, 0.2520



Tritanopia

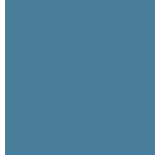
19.6836, 0.2189, 0.3079

Trichromacy



Original Color

19.6234, 0.2098, 0.2752



Protanomaly

18.7047, 0.2351, 0.2727



Deuteranomaly

18.6137, 0.2273, 0.2569



Tritanomaly

19.5623, 0.2155, 0.2959

Monochromacy



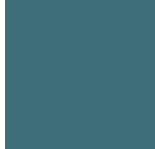
Original Color

19.6234, 0.2098, 0.2752



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

13.5321, 0.2473, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6234, 0.2098, 0.2752 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(0, 134, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 161)  
}
```

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(0, 134, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 161) }
```

Border

The CSS property to change the border of an element to Yxy 19.6234, 0.2098, 0.2752 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(0, 134, 161) }
```

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

```
.border{ border-color:rgb(0, 134, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6234, 0.2098, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 161) }
```

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

```
.background{ background-color: rgb(0, 134,  
161) }
```

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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