

Converting Colors

$Yxy(21.4647, 0.2162, 0.3189)$

Have a look what the booklet for
Yxy(21.4647, 0.2162, 0.3189)
contains.

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Color

Yxy(21.7830, 0.2218, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	008F94
RGB	0, 143, 148
RGB Percent	0%, 56%, 58%
CMY	1.0000, 0.4392, 0.4196
CMYK	1.00, 0.03, 0.00, 0.42
HSL	182°, 100%, 29%
HSV	182°, 100%, 58%
XYZ	15.1647, 21.7830, 31.4233
YIQ	100.8130, -86.8330, -28.7610

Conversions

Conversions Part 2

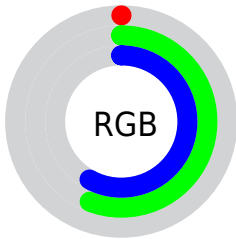
Format	Color
RYB	0, 73, 148
Decimal	36756
CIELab	53.80, -29.66, -11.83
CIELCh	54, 31.931, 201.747
Yxy	21.7830, 0.2218, 0.3186
Android (android.graphics.Color)	4278226836 (0xFF008F94)
YUV	100.8130, 23.2632, -88.4130
Hunter-Lab	46.6723, -23.6785, -7.2479

Details

The Yxy color **21.7830, 0.2218, 0.3186** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.4047, 0.6369, 0.3325**, and the grayscale version is **12.9204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2715, 0.2408, 0.3215**, and **8.5174, 0.2205, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **21.7859, 0.2218, 0.3186**, and if you desaturate by 10%, it is **22.0361, 0.2240, 0.3197**.

Distribution



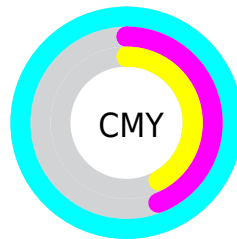
- Red (0%)
- Green (56%)
- Blue (58%)



- Red (0%)
- Yellow (29%)
- Blue (58%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (42%)




- Cyan (100%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7830, 0.2218, 0.3186 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 21.7830, 0.2218, 0.3186 by changing the saturation by 10% instead.


 21.7830, 0.2218,
0.3186


 21.7830, 0.2218,
0.3186


 261.4109, 0.2715,
0.3259


 13.6975, 0.2080,
0.3158


 46.3871, 0.2409,
0.3219


 7.9106, 0.1894,
0.3113


 63.6745, 0.2477,
0.3230


 4.0378, 0.1633,
0.3037

 84.7980, 0.2534,
0.3238

 1.6947, 0.1242,
0.2893

 110.1420, 0.2582,
0.3244

 0.4202, 0.0000,
0.2413

 140.0909, 0.2622,
0.3249

 0.0000, 0.0000,
0.0000

 175.0291, 0.2657,

0.3253

215.3410, 0.2688,
0.3256

■ 21.7830, 0.2218,
0.3186

■ 21.7830, 0.2218,
0.3186

■ 21.7859, 0.2218,
0.3186

■ 22.0361, 0.2240,
0.3197

■ 22.3572, 0.2273,
0.3208

■ 22.7832, 0.2324,
0.3219

■ 23.3271, 0.2394,
0.3230

■ 24.0000, 0.2481,
0.3241

■ 24.8118, 0.2585,
0.3252

■ 25.7714, 0.2704,
0.3262

■ 26.8869, 0.2836,
0.3272

■ 28.1659, 0.2978,
0.3281

Harmonies

Analogous

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



21.7830, 0.2571, 0.3773



21.7830, 0.2218, 0.3186



21.7830, 0.2097, 0.2705

Triad

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



21.7830, 0.2218, 0.3186



21.7830, 0.3077, 0.2547



21.7830, 0.4091, 0.4113

Complementary

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



21.7830, 0.2218, 0.3186



6.4047, 0.6369, 0.3325

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.



21.7830, 0.4276, 0.3717



21.7830, 0.2218, 0.3186



21.7830, 0.3664, 0.2857

Square

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



21.7830, 0.2218, 0.3186



21.7830, 0.2555, 0.2395



21.7830, 0.4120, 0.3270



21.7830, 0.3650, 0.4332

Rectangle

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



21.7830, 0.2218, 0.3186



21.7830, 0.2149, 0.2503



21.7830, 0.4120, 0.3270



21.7830, 0.4187, 0.3993

Sweetspot

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



21.7859, 0.2218, 0.3186



45.3610, 0.2697, 0.3261



21.1917, 0.2992, 0.5973



10.2011, 0.2650, 0.3257



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.7859, 0.2218, 0.3186



38.3853, 0.2218, 0.3184



6.4029, 0.1750, 0.1498



6.5290, 0.2990, 0.3282



18.6159, 0.2219, 0.3187



0.2363, 0.2234, 0.3241

Inverse Universe

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



8.2797, 0.3294, 0.1588



14.6030, 0.3295, 0.1589



11.8789, 0.5286, 0.4185



5.9058, 0.3142, 0.3079



7.0726, 0.3293, 0.1588



0.0874, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 21.7830, 0.2218, 0.3186 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 21.7830, 0.2218, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

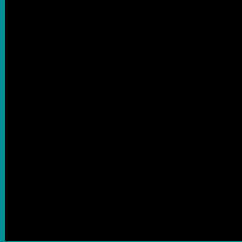
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7830, 0.2218, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 21.7830, 0.2218, 0.3186.



This preview shows how white text looks on a background with the Yxy color 21.7830, 0.2218, 0.3186.

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

21.7830, 0.2218, 0.3186

Protanopia

21.5257, 0.3009, 0.3095

Deuteranopia

21.6014, 0.2888, 0.2829



Tritanopia

21.8278, 0.2207, 0.3050

Trichromacy



Original Color

21.7830, 0.2218, 0.3186

Protanomaly

20.4774, 0.2532, 0.3112

Deuteranomaly

20.5307, 0.2468, 0.2926

Tritanomaly

21.6986, 0.2206, 0.3087

Monochromacy



Original Color

21.7830, 0.2218, 0.3186

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.8888, 0.2533, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7830, 0.2218, 0.3186 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, 143, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 148)  
}
```

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, 143, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 148) }
```

Border

The CSS property to change the border of an element to Yxy 21.7830, 0.2218, 0.3186 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, 143, 148) }
```

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

```
.border{ border-color:rgb(0, 143, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7830, 0.2218, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 148) }
```

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

```
.background{ background-color: rgb(0, 143,  
148) }
```

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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