

Converting Colors

$Yxy(21.0398, 0.2361, 0.3699)$

Have a look what the booklet for
Yxy(21.0398, 0.2361, 0.3699)
contains.

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Color

$\text{Yxy}(21.1002, 0.2362, 0.3702)$

Conversions

Conversions Part 1

Format	Color
Hex	008F7C
RGB	0, 143, 124
RGB Percent	0%, 56%, 49%
CMY	0.9992, 0.4392, 0.5137
CMYK	1.00, 0.00, 0.13, 0.44
HSL	172°, 100%, 28%
HSV	172°, 100%, 56%
XYZ	13.4626, 21.1002, 22.4339
YIQ	98.0770, -79.1290, -36.2250

Conversions

Conversions Part 2

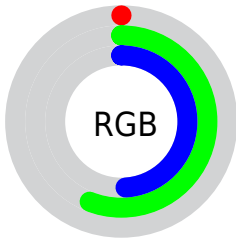
Format	Color
RYB	0, 77, 143
Decimal	36732
CIELab	53.06, -37.03, 0.94
CIELCh	53, 37.044, 178.544
Yxy	21.1002, 0.2362, 0.3702
Android (android.graphics.Color)	4278226812 (0xFF008F7C)
YUV	98.0770, 12.7800, -86.0135
Hunter-Lab	45.9350, -28.0713, 3.1981

Details

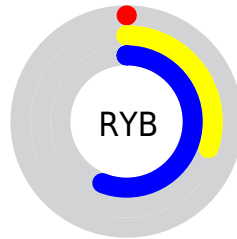
The Yxy color **21.1002, 0.2362, 0.3702** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.8916, 0.6189, 0.3185**, and the grayscale version is **12.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4541, 0.2534, 0.3625**, and **8.1623, 0.2402, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **21.0990, 0.2362, 0.3703**, and if you desaturate by 10%, it is **21.2457, 0.2370, 0.3657**.

Distribution



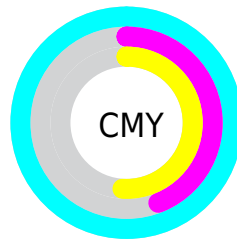
- Red (0%)
- Green (56%)
- Blue (49%)



- Red (0%)
- Yellow (30%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1002, 0.2362, 0.3702 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 21.1002, 0.2362, 0.3702 by changing the saturation by 10% instead.


 21.1002, 0.2362,
0.3702


 21.1002, 0.2362,
0.3702


 257.8105, 0.2792,
0.3469


 13.1973, 0.2236,
0.3771

 45.2542, 0.2531,
0.3610


 7.5645, 0.2063,
0.3866


 62.2741, 0.2590,
0.3578


 3.8176, 0.1808,
0.4008


 83.1018, 0.2639,
0.3552

 1.5721, 0.1285,
0.4296

 108.1216, 0.2680,
0.3530

 0.3386, 0.0000,
0.5278

 137.7180, 0.2714,
0.3511

 0.0000, 0.0000,
0.0000

 172.2754, 0.2744,

0.3495

212.1781, 0.2769,
0.3482

■ 21.1002, 0.2362,
0.3702

■ 21.1002, 0.2362,
0.3702

■ 21.0990, 0.2362,
0.3703

■ 21.2457, 0.2370,
0.3657

■ 21.4562, 0.2391,
0.3611

■ 21.7641, 0.2430,
0.3566

■ 22.1815, 0.2487,
0.3521

■ 22.7184, 0.2562,
0.3477

■ 23.3840, 0.2653,
0.3435

■ 24.1863, 0.2758,
0.3394

■ 25.1328, 0.2874,
0.3357

■ 26.2306, 0.2998,
0.3322

Harmonies

Analogous

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



21.1002, 0.2927, 0.4313



21.1002, 0.2362, 0.3702



21.1002, 0.2022, 0.3010

Triad

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



21.1002, 0.2362, 0.3702



21.1002, 0.2582, 0.2284



21.1002, 0.4450, 0.3877

Complementary

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



21.1002, 0.2362, 0.3702



5.8916, 0.6189, 0.3185

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.



21.1002, 0.4370, 0.3368



21.1002, 0.2362, 0.3702



21.1002, 0.3219, 0.2502

Square

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



21.1002, 0.2362, 0.3702



21.1002, 0.2142, 0.2275



21.1002, 0.3898, 0.2885



21.1002, 0.4144, 0.4318

Rectangle

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



21.1002, 0.2362, 0.3702



21.1002, 0.1945, 0.2648



21.1002, 0.3898, 0.2885



21.1002, 0.4470, 0.3709

Sweetspot

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



21.1010, 0.2362, 0.3702



43.1945, 0.2749, 0.3397



19.7856, 0.3043, 0.5964



9.7758, 0.2708, 0.3412



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.1010, 0.2362, 0.3702



37.7681, 0.2364, 0.3712



9.4053, 0.1909, 0.2071



6.1042, 0.3007, 0.3319



18.6583, 0.2361, 0.3700



0.1806, 0.2300, 0.3480

Inverse Universe

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



5.8916, 0.6189, 0.3185



10.5270, 0.6229, 0.3205



8.3464, 0.5750, 0.3814



5.4350, 0.3262, 0.3261



5.2069, 0.6183, 0.3180



0.0516, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 21.1002, 0.2362, 0.3702 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 21.1002, 0.2362, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

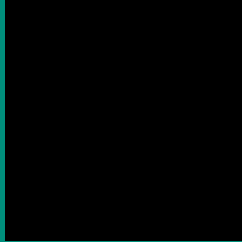
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1002, 0.2362, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 21.1002, 0.2362, 0.3702.



This preview shows how white text looks on a background with the Yxy color 21.1002, 0.2362, 0.3702.

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

21.1002, 0.2362, 0.3702

Protanopia

20.9848, 0.3313, 0.3490

Deuteranopia

20.8224, 0.3231, 0.3168



Tritanopia

21.1309, 0.2258, 0.3048

Trichromacy



Original Color

21.1002, 0.2362, 0.3702

Protanomaly

19.6495, 0.2750, 0.3581

Deuteranomaly

19.5238, 0.2701, 0.3350

Tritanomaly

20.8859, 0.2282, 0.3267

Monochromacy



Original Color

21.1002, 0.2362, 0.3702

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

14.1203, 0.2609, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1002, 0.2362, 0.3702 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 124) }
```

Border

The CSS property to change the border of an element to Yxy 21.1002, 0.2362, 0.3702 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, 124) }
```

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

```
.border{ border-color:rgb(0, 143, 124) }
```

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, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1002, 0.2362, 0.3702 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, 124) }
```

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

```
.background{ background-color: rgb(0, 143,  
124) }
```

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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