

Converting Colors

$Yxy(19.0067, 0.1959, 0.3818)$

Have a look what the booklet for
Yxy(19.0067, 0.1959, 0.3818)
contains.

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Color

Yxy(20.7021, 0.2382, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	008E78
RGB	0, 142, 120
RGB Percent	0%, 56%, 47%
CMY	1.0000, 0.4431, 0.5294
CMYK	1.00, 0.00, 0.15, 0.44
HSL	171°, 100%, 28%
HSV	171°, 100%, 56%
XYZ	13.0629, 20.7021, 21.0750
YIQ	97.0340, -77.5700, -36.9460

Conversions

Conversions Part 2

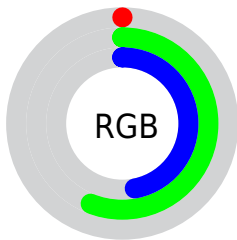
Format	Color
RYB	0, 77, 142
Decimal	36472
CIELab	52.62, -37.75, 2.62
CIELCh	53, 37.845, 176.026
Yxy	20.7021, 0.2382, 0.3775
Android (android.graphics.Color)	4278226552 (0xFF008E78)
YUV	97.0340, 11.3222, -85.0988
Hunter-Lab	45.4996, -28.3770, 4.3871

Details

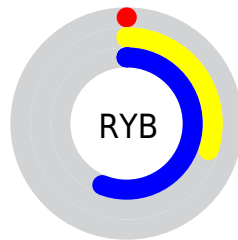
The Yxy color **20.7021, 0.2382, 0.3775** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.8093, 0.6143, 0.3158**, and the grayscale version is **11.9498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3897, 0.2550, 0.3660**, and **7.9501, 0.2423, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **20.7028, 0.2382, 0.3775**, and if you desaturate by 10%, it is **20.8519, 0.2388, 0.3722**.

Distribution



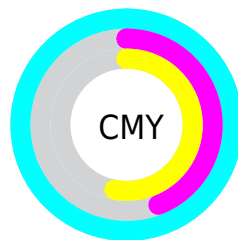
- Red (0%)
- Green (56%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (53%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7021, 0.2382, 0.3775 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 20.7021, 0.2382, 0.3775 by changing the saturation by 10% instead.


 20.7021, 0.2382,
0.3775


 20.7021, 0.2382,
0.3775


 255.6911, 0.2803,
0.3497


 12.9064, 0.2257,
0.3859


 44.5912, 0.2549,
0.3664

 7.3641, 0.2084,
0.3978


 61.4534, 0.2607,
0.3625


 3.6909, 0.1827,
0.4159

 82.1066, 0.2655,
0.3594

 1.5022, 0.1233,
0.4556

 106.9352, 0.2694,
0.3568

 0.2903, 0.0000,
0.6863

 136.3235, 0.2728,
0.3546

 0.0000, 0.0000,
0.0000

 170.6560, 0.2757,

0.3528

210.3171, 0.2781,
0.3511

■ 20.7021, 0.2382,
0.3775

■ 20.7021, 0.2382,
0.3775

■ 20.7028, 0.2382,
0.3775

■ 20.8519, 0.2388,
0.3722

■ 21.0649, 0.2408,
0.3668

■ 21.3740, 0.2445,
0.3614

■ 21.7908, 0.2500,
0.3561

■ 22.3256, 0.2573,
0.3510

■ 22.9871, 0.2662,
0.3460

■ 23.7834, 0.2764,
0.3413

■ 24.7219, 0.2878,
0.3368

■ 25.8093, 0.3000,
0.3327

Harmonies

Analogous

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



20.7021, 0.2975, 0.4382



20.7021, 0.2382, 0.3775



20.7021, 0.2013, 0.3055

Triad

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



20.7021, 0.2382, 0.3775



20.7021, 0.2520, 0.2251



20.7021, 0.4495, 0.3844

Complementary

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



20.7021, 0.2382, 0.3775



5.8093, 0.6143, 0.3158

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.



20.7021, 0.4378, 0.3323



20.7021, 0.2382, 0.3775



20.7021, 0.3161, 0.2457

Square

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



20.7021, 0.2382, 0.3775



20.7021, 0.2092, 0.2260



20.7021, 0.3865, 0.2836



20.7021, 0.4207, 0.4311

Rectangle

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



20.7021, 0.2382, 0.3775



20.7021, 0.1919, 0.2669



20.7021, 0.3865, 0.2836



20.7021, 0.4505, 0.3672

Sweetspot

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



20.7029, 0.2382, 0.3775



41.8423, 0.2757, 0.3415



19.5371, 0.3060, 0.5953



9.2248, 0.2719, 0.3433



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.7029, 0.2382, 0.3775



36.4864, 0.2385, 0.3786



10.0786, 0.1941, 0.2187



6.1022, 0.3010, 0.3324



18.5894, 0.2381, 0.3773



0.1802, 0.2310, 0.3514

Inverse Universe

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



5.8093, 0.6143, 0.3158



10.2271, 0.6182, 0.3179



7.8115, 0.5841, 0.3744



5.4369, 0.3259, 0.3256



5.2173, 0.6134, 0.3153



0.0520, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 20.7021, 0.2382, 0.3775 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 20.7021, 0.2382, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

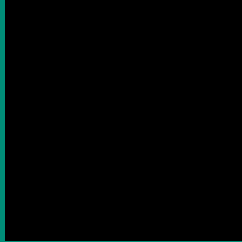
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7021, 0.2382, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 20.7021, 0.2382, 0.3775.



This preview shows how white text looks on a background with the Yxy color 20.7021, 0.2382, 0.3775.

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

20.7021, 0.2382, 0.3775

Protanopia

20.6402, 0.3362, 0.3547

Deuteranopia

20.4738, 0.3280, 0.3220



Tritanopia

20.7980, 0.2269, 0.3066

Trichromacy



Original Color

20.7021, 0.2382, 0.3775

Protanomaly

19.2865, 0.2784, 0.3648

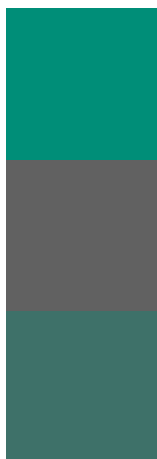
Deuteranomaly

19.1568, 0.2735, 0.3412

Tritanomaly

20.5069, 0.2294, 0.3309

Monochromacy



Original Color

20.7021, 0.2382, 0.3775

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.8543, 0.2625, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7021, 0.2382, 0.3775 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, 142, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 120)  
}
```

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, 142, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 120) }
```

Border

The CSS property to change the border of an element to Yxy 20.7021, 0.2382, 0.3775 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, 142, 120) }
```

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

```
.border{ border-color:rgb(0, 142, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7021, 0.2382, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 120) }
```

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

```
.background{ background-color: rgb(0, 142,  
120) }
```

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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