

Converting Colors

$Y_{xy}(21.1340, 0.2521, 0.3715)$

Have a look what the booklet for
Yxy(21.1340, 0.2521, 0.3715)
contains.

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Color

$Y_{xy}(21.1340, 0.2521, 0.3715)$

Conversions

Conversions Part 1

Format	Color
Hex	338D79
RGB	51, 141, 121
RGB Percent	20%, 55%, 47%
CMY	0.8000, 0.4471, 0.5255
CMYK	0.64, 0.00, 0.14, 0.45
HSL	167°, 47%, 38%
HSV	167°, 64%, 55%
XYZ	14.3415, 21.1340, 21.4128
YIQ	111.8100, -47.2200, -25.3000

Conversions

Conversions Part 2

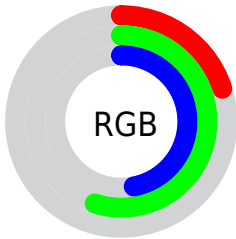
Format	Color
RYB	51, 102, 141
Decimal	3378553
CIELab	53.10, -31.64, 2.83
CIElCh	53, 31.764, 174.897
Yxy	21.1340, 0.2521, 0.3715
Android (android.graphics.Color)	4281568633 (0xFF338D79)
YUV	111.8100, 4.5307, -53.3304
Hunter-Lab	45.9717, -24.7649, 4.5641

Details

The Yxy color **21.1340, 0.2521, 0.3715** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.4864, 0.4638, 0.2958**, and the grayscale version is **16.1425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2355, 0.2660, 0.3619**, and **7.7934, 0.2405, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **20.7468, 0.2477, 0.3794**, and if you desaturate by 10%, it is **21.6365, 0.2582, 0.3638**.

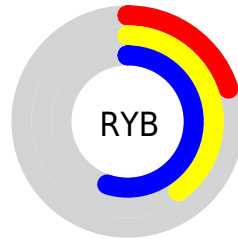
Distribution



Red (20%)

Green (55%)

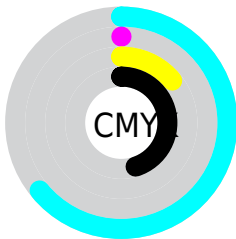
Blue (47%)



Red (20%)

Yellow (40%)

Blue (55%)

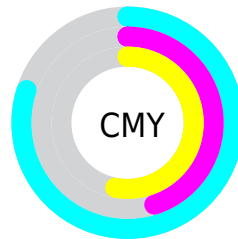


Cyan (64%)

Magenta (0%)

Yellow (14%)

Black (45%)



Cyan (80%)

Magenta (45%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1340, 0.2521, 0.3715 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 21.1340, 0.2521, 0.3715 by changing the saturation by 10% instead.

21.1340, 0.2521,
0.3715

21.1340, 0.2521,
0.3715

257.9898, 0.2864,
0.3472

13.2220, 0.2419,
0.3789

45.3104, 0.2657,
0.3618

7.5816, 0.2277,
0.3894

62.3437, 0.2704,
0.3584

3.8284, 0.2065,
0.4054

83.1861, 0.2743,
0.3557

1.5780, 0.1669,
0.4350

108.2221, 0.2775,
0.3534

0.3427, 0.0000,
0.6611

137.8360, 0.2802,
0.3515

0.0000, 0.0000,
0.0000

172.4124, 0.2826,

0.3498

212.3355, 0.2846,
0.3484

■ 21.1340, 0.2521,
0.3715

■ 21.1340, 0.2521,
0.3715

■ 20.7468, 0.2477,
0.3794

■ 21.6365, 0.2582,
0.3638

■ 20.4619, 0.2452,
0.3874

■ 22.2609, 0.2660,
0.3564

■ 20.2674, 0.2445,
0.3953

■ 23.0162, 0.2751,
0.3493

■ 20.1688, 0.2445,
0.4003

■ 23.9098, 0.2854,
0.3427

■ 24.9488, 0.2964,
0.3366

■ 26.1396, 0.3081,
0.3310

■ 27.4881, 0.3202,
0.3259

■ 29.0002, 0.3324,
0.3214

■ 30.6811, 0.3445,
0.3174

Harmonies

Analogous

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



21.1340, 0.3032, 0.4195



21.1340, 0.2521, 0.3715



21.1340, 0.2190, 0.3126

Triad

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



21.1340, 0.2521, 0.3715



21.1340, 0.2601, 0.2398



21.1340, 0.4277, 0.3764

Complementary

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



21.1340, 0.2521, 0.3715



8.4864, 0.4638, 0.2958

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.



21.1340, 0.4158, 0.3316



21.1340, 0.2521, 0.3715



21.1340, 0.3139, 0.2569

Square

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



21.1340, 0.2521, 0.3715



21.1340, 0.2236, 0.2421



21.1340, 0.3724, 0.2894



21.1340, 0.4059, 0.4151

Rectangle

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



21.1340, 0.2521, 0.3715



21.1340, 0.2099, 0.2795



21.1340, 0.3724, 0.2894



21.1340, 0.4277, 0.3617

Sweetspot

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



21.1348, 0.2521, 0.3715



43.6065, 0.2902, 0.3399



20.6674, 0.3206, 0.5178



9.6373, 0.2874, 0.3415



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.



21.1348, 0.2521, 0.3715



36.8850, 0.2463, 0.3832



15.3506, 0.2263, 0.2771



6.0961, 0.3018, 0.3339



18.3921, 0.2444, 0.4000



0.1791, 0.2340, 0.3625

Inverse Universe

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



8.4864, 0.4638, 0.2958



12.3028, 0.5214, 0.2952



10.9351, 0.4774, 0.3702



5.4425, 0.3249, 0.3241



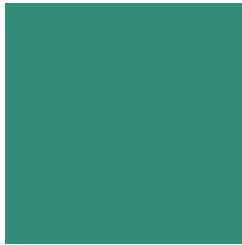
5.2573, 0.5955, 0.3054



0.0531, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 21.1340, 0.2521, 0.3715 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 21.1340, 0.2521, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

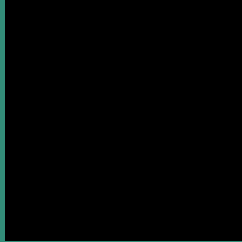
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1340, 0.2521, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 21.1340, 0.2521, 0.3715.

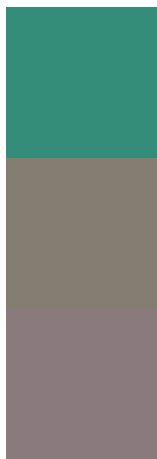


This preview shows how white text looks on a background with the Yxy color 21.1340, 0.2521, 0.3715.

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

21.1340, 0.2521, 0.3715

Protanopia

20.9393, 0.3336, 0.3527

Deuteranopia

20.8030, 0.3291, 0.3238



Tritanopia

21.0536, 0.2374, 0.3071

Trichromacy



Original Color

21.1340, 0.2521, 0.3715

Protanomaly

20.3183, 0.2958, 0.3588

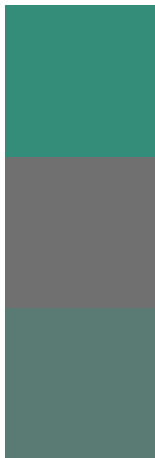
Deuteranomaly

20.2199, 0.2920, 0.3387

Tritanomaly

20.9115, 0.2425, 0.3288

Monochromacy



Original Color

21.1340, 0.2521, 0.3715

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.5774, 0.2832, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1340, 0.2521, 0.3715 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(51, 141, 121)` looks like.

```
.text, #text, p{  
    color:rgb(51, 141, 121)  
}
```

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(51, 141, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 141, 121) }
```

Border

The CSS property to change the border of an element to Yxy 21.1340, 0.2521, 0.3715 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(51, 141, 121) }
```

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

```
.border{ border-color:rgb(51, 141, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 141, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 141, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 141, 121);  
box-shadow:4px 4px 4px 4px rgb(51, 141,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1340, 0.2521, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 141, 121) }
```

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

```
.background{ background-color: rgb(51, 141,  
121) }
```

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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