

Converting Colors

$Yxy(21.9975, 0.2466, 0.3459)$

Have a look what the booklet for
Yxy(21.9975, 0.2466, 0.3459)
contains.

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Color

Yxy(21.9371, 0.2464, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	398E86
RGB	57, 142, 134
RGB Percent	22%, 56%, 53%
CMY	0.7766, 0.4431, 0.4745
CMYK	0.60, 0.00, 0.06, 0.44
HSL	174°, 43%, 39%
HSV	174°, 60%, 56%
XYZ	15.6630, 21.9371, 25.9673
YIQ	115.6730, -48.0920, -20.5080

Conversions

Conversions Part 2

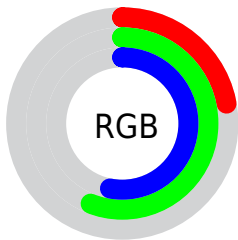
Format	Color
RYB	57, 102, 142
Decimal	3772038
CIELab	53.96, -27.43, -3.41
CIElCh	54, 27.638, 187.080
Yxy	21.9371, 0.2464, 0.3451
Android (android.graphics.Color)	4281962118 (0xFF398E86)
YUV	115.6730, 9.0352, -51.4562
Hunter-Lab	46.8371, -22.2718, -0.0855

Details

The Yxy color **21.9371, 0.2464, 0.3451** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.0565, 0.4736, 0.3160**, and the grayscale version is **17.3416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5784, 0.2607, 0.3419**, and **8.1380, 0.2299, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **21.5405, 0.2404, 0.3482**, and if you desaturate by 10%, it is **22.4526, 0.2542, 0.3421**.

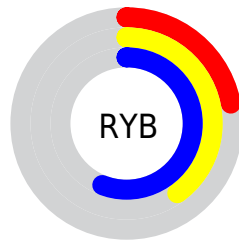
Distribution



Red (22%)

Green (56%)

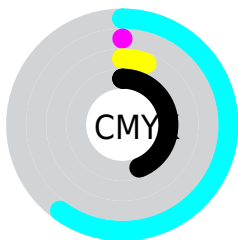
Blue (53%)



Red (22%)

Yellow (40%)

Blue (56%)

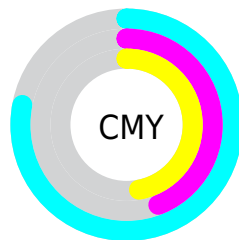


Cyan (60%)

Magenta (0%)

Yellow (6%)

Black (44%)



Cyan (78%)

Magenta (44%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9371, 0.2464, 0.3451 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 21.9371, 0.2464, 0.3451 by changing the saturation by 10% instead.

21.9371, 0.2464,
0.3451

21.9371, 0.2464,
0.3451

262.2176, 0.2832,
0.3366

13.8107, 0.2358,
0.3474

46.6420, 0.2608,
0.3419

7.9891, 0.2212,
0.3503

63.9893, 0.2659,
0.3407

4.0880, 0.2001,
0.3542

85.1790, 0.2700,
0.3397

1.7229, 0.1667,
0.3594

110.5955, 0.2735,
0.3389

0.4384, 0.0000,
0.3799

140.6233, 0.2765,
0.3382

0.0000, 0.0000,
0.0000

175.6466, 0.2791,

0.3376

216.0499, 0.2813,
0.3370

■ 21.9371, 0.2464,
0.3451

■ 21.9371, 0.2464,
0.3451

■ 21.5405, 0.2404,
0.3482

■ 22.4526, 0.2542,
0.3421

■ 21.2503, 0.2362,
0.3513

■ 23.0933, 0.2635,
0.3391

■ 21.0555, 0.2338,
0.3545

■ 23.8680, 0.2744,
0.3363

■ 20.9246, 0.2327,
0.3576

■ 24.7842, 0.2864,
0.3337

■ 20.9230, 0.2327,
0.3576

■ 25.8486, 0.2993,
0.3312

■ 27.0675, 0.3129,
0.3290

■ 28.4471, 0.3269,
0.3269

■ 29.9929, 0.3411,
0.3251

■ 31.7104, 0.3552,
0.3235

Harmonies

Analogous

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



21.9371, 0.2858, 0.3918



21.9371, 0.2464, 0.3451



21.9371, 0.2251, 0.2974

Triad

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



21.9371, 0.2464, 0.3451



21.9371, 0.2850, 0.2552



21.9371, 0.4076, 0.3860

Complementary

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



21.9371, 0.2464, 0.3451



9.0565, 0.4736, 0.3160

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.



21.9371, 0.4090, 0.3482



21.9371, 0.2464, 0.3451



21.9371, 0.3349, 0.2763

Square

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



21.9371, 0.2464, 0.3451



21.9371, 0.2460, 0.2502



21.9371, 0.3817, 0.3093



21.9371, 0.3795, 0.4131

Rectangle

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



21.9371, 0.2464, 0.3451



21.9371, 0.2227, 0.2731



21.9371, 0.3817, 0.3093



21.9371, 0.4114, 0.3741

Sweetspot

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



21.9379, 0.2464, 0.3451



43.9670, 0.2882, 0.3333



20.7826, 0.3108, 0.5116



9.7187, 0.2850, 0.3339



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.



21.9379, 0.2464, 0.3451



37.7765, 0.2387, 0.3493



13.5461, 0.2249, 0.2553



6.1077, 0.3002, 0.3311



18.7861, 0.2326, 0.3575



0.1813, 0.2284, 0.3421

Inverse Universe

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



9.0565, 0.4736, 0.3160



12.9127, 0.5332, 0.3159



13.5265, 0.4491, 0.3885



5.4318, 0.3267, 0.3270



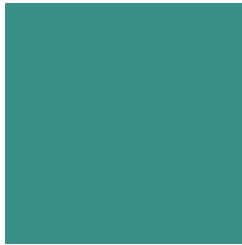
5.1916, 0.6257, 0.3221



0.0509, 0.5669, 0.2897

Previews

White Background



This preview shows how the Yxy color 21.9371, 0.2464, 0.3451 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 21.9371, 0.2464, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

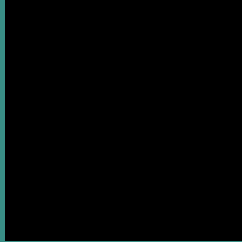
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9371, 0.2464, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 21.9371, 0.2464, 0.3451.



This preview shows how white text looks on a background with the Yxy color 21.9371, 0.2464, 0.3451.

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

21.9371, 0.2464, 0.3451

Protanopia

21.7700, 0.3185, 0.3326

Deuteranopia

21.7364, 0.3114, 0.3066



Tritanopia

22.0805, 0.2379, 0.3075

Trichromacy



Original Color

21.9371, 0.2464, 0.3451

Protanomaly

21.3031, 0.2853, 0.3366

Deuteranomaly

21.1645, 0.2806, 0.3177

Tritanomaly

22.0862, 0.2406, 0.3209

Monochromacy



Original Color

21.9371, 0.2464, 0.3451

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.5302, 0.2808, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9371, 0.2464, 0.3451 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(57, 142, 134)` looks like.

```
.text, #text, p{  
    color:rgb(57, 142, 134)  
}
```

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(57, 142, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 142, 134) }
```

Border

The CSS property to change the border of an element to Yxy 21.9371, 0.2464, 0.3451 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(57, 142, 134) }
```

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

```
.border{ border-color:rgb(57, 142, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 142, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 142, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 142, 134);  
box-shadow:4px 4px 4px 4px rgb(57, 142,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9371, 0.2464, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 142, 134) }
```

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

```
.background{ background-color: rgb(57, 142,  
134) }
```

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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