

Converting Colors

$Yxy(21.9806, 0.2531, 0.3789)$

Have a look what the booklet for
Yxy(21.9806, 0.2531, 0.3789)
contains.

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Color

Yxy(21.9807, 0.2535, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	329078
RGB	50, 144, 120
RGB Percent	20%, 56%, 47%
CMY	0.8040, 0.4353, 0.5293
CMYK	0.65, 0.00, 0.17, 0.44
HSL	165°, 48%, 38%
HSV	165°, 65%, 56%
XYZ	14.6789, 21.9807, 21.2453
YIQ	113.1580, -48.3200, -27.3920

Conversions

Conversions Part 2

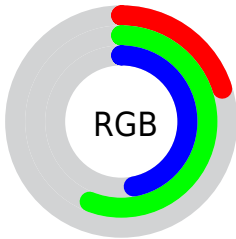
Format	Color
R_{YB}	50, 104, 144
Decimal	3313784
CIE _{Lab}	54.01, -33.49, 4.70
CIE _{LCh}	54, 33.821, 172.013
Yxy	21.9807, 0.2535, 0.3796
Android (android.graphics.Color)	4281503864 (0xFF329078)
YUV	113.1580, 3.3731, -55.3896
Hunter-Lab	46.8836, -26.1593, 5.9512

Details

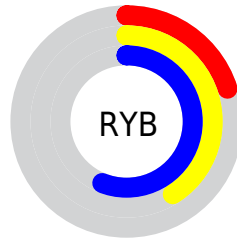
The Yxy color **21.9807, 0.2535, 0.3796** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.7026, 0.4626, 0.2901**, and the grayscale version is **16.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4925, 0.2666, 0.3678**, and **8.2966, 0.2439, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **21.5840, 0.2497, 0.3888**, and if you desaturate by 10%, it is **22.4976, 0.2591, 0.3706**.

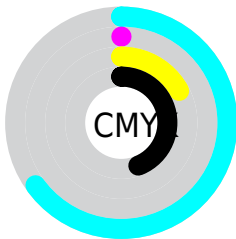
Distribution



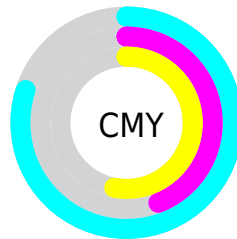
- Red (20%)
- Green (56%)
- Blue (47%)



- Red (20%)
- Yellow (41%)
- Blue (56%)



- Cyan (65%)
- Magenta (0%)
- Yellow (17%)
- Black (44%)




- Cyan (80%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9807, 0.2535, 0.3796 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 21.9807, 0.2535, 0.3796 by changing the saturation by 10% instead.


 21.9807, 0.2535,
0.3796


 21.9807, 0.2535,
0.3796


262.4455, 0.2870,
0.3505


 13.8427, 0.2436,
0.3885


 46.7141, 0.2667,
0.3679

 8.0114, 0.2297,
0.4011


 64.0783, 0.2714,
0.3639

 4.1022, 0.2091,
0.4205

 85.2867, 0.2752,
0.3606

 1.7309, 0.1725,
0.4551

 110.7237, 0.2783,
0.3579

 0.4435, 0.0000,
0.7418

 140.7737, 0.2810,
0.3556

 0.0000, 0.0000,
0.0000

 175.8210, 0.2833,

0.3537

216.2502, 0.2852,
0.3520

■ 21.9807, 0.2535,
0.3796

■ 21.9807, 0.2535,
0.3796

■ 21.5840, 0.2497,
0.3888

■ 22.4976, 0.2591,
0.3706

■ 21.2938, 0.2477,
0.3981

■ 23.1421, 0.2664,
0.3619

■ 21.0954, 0.2476,
0.4074

■ 23.9236, 0.2750,
0.3536

■ 21.0148, 0.2477,
0.4118

■ 24.8504, 0.2848,
0.3459

■ 25.9296, 0.2954,
0.3387

■ 27.1681, 0.3066,
0.3322

■ 28.5725, 0.3182,
0.3263

■ 30.1488, 0.3299,
0.3210

■ 31.9027, 0.3416,
0.3163

Harmonies

Analogous

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



21.9807, 0.3081, 0.4279



21.9807, 0.2535, 0.3796



21.9807, 0.2169, 0.3171

Triad

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



21.9807, 0.2535, 0.3796



21.9807, 0.2529, 0.2352



21.9807, 0.4339, 0.3737

Complementary

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



21.9807, 0.2535, 0.3796



8.7026, 0.4626, 0.2901

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.



21.9807, 0.4180, 0.3269



21.9807, 0.2535, 0.3796



21.9807, 0.3078, 0.2512

Square

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



21.9807, 0.2535, 0.3796



21.9807, 0.2171, 0.2394



21.9807, 0.3698, 0.2837



21.9807, 0.4137, 0.4156

Rectangle

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



21.9807, 0.2535, 0.3796



21.9807, 0.2059, 0.2812



21.9807, 0.3698, 0.2837



21.9807, 0.4327, 0.3581

Sweetspot

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



21.9816, 0.2535, 0.3796



44.7237, 0.2899, 0.3423



21.6754, 0.3233, 0.5208



10.1484, 0.2872, 0.3441



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.



21.9816, 0.2535, 0.3796



37.8253, 0.2486, 0.3928



16.6259, 0.2263, 0.2826



6.0932, 0.3022, 0.3347



18.3032, 0.2476, 0.4113



0.1786, 0.2356, 0.3682

Inverse Universe

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



8.7026, 0.4626, 0.2901



12.5903, 0.5162, 0.2895



10.7835, 0.4876, 0.3654



5.4453, 0.3244, 0.3234



5.2816, 0.5853, 0.2998



0.0536, 0.4820, 0.2429

Previews

White Background



This preview shows how the Yxy color 21.9807, 0.2535, 0.3796 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 21.9807, 0.2535, 0.3796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

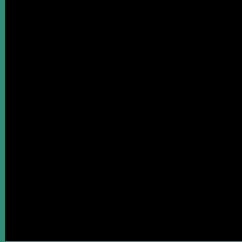
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9807, 0.2535, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 21.9807, 0.2535, 0.3796.



This preview shows how white text looks on a background with the Yxy color 21.9807, 0.2535, 0.3796.

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

21.9807, 0.2535, 0.3796

Protanopia

21.6765, 0.3380, 0.3578

Deuteranopia

21.6213, 0.3348, 0.3291



Tritanopia

22.0473, 0.2373, 0.3075

Trichromacy



Original Color

21.9807, 0.2535, 0.3796

Protanomaly

21.1716, 0.2979, 0.3664

Deuteranomaly

20.9139, 0.2963, 0.3443

Tritanomaly

21.8427, 0.2424, 0.3308

Monochromacy



Original Color

21.9807, 0.2535, 0.3796

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.8499, 0.2823, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9807, 0.2535, 0.3796 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(50, 144, 120)` looks like.

```
.text, #text, p{  
  color:rgb(50, 144, 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(50, 144, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 144, 120) }
```

Border

The CSS property to change the border of an element to Yxy 21.9807, 0.2535, 0.3796 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(50, 144, 120) }
```

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

```
.border{ border-color:rgb(50, 144, 120) }
```

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

Here you see how a box with a 4 pixel rgb(50, 144, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 144, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 144, 120);  
box-shadow:4px 4px 4px 4px rgb(50, 144,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9807, 0.2535, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 144, 120) }
```

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

```
.background{ background-color: rgb(50, 144,  
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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