

Converting Colors

$Yxy(22.1340, 0.2569, 0.3666)$

Have a look what the booklet for
Yxy(22.1340, 0.2569, 0.3666)
contains.

Yxy(22.1824, 0.2569, 0.3659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1824, 0.2569, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	3F8F7D
RGB	63, 143, 125
RGB Percent	25%, 56%, 49%
CMY	0.7530, 0.4392, 0.5097
CMYK	0.56, 0.00, 0.13, 0.44
HSL	167°, 39%, 40%
HSV	167°, 56%, 56%
XYZ	15.5744, 22.1824, 22.8675
YIQ	117.0280, -41.9020, -22.5580

Conversions

Conversions Part 2

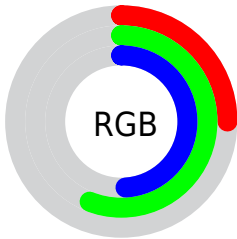
Format	Color
R _{YB}	63, 108, 143
Decimal	4165501
CIE _{Lab}	54.22, -29.07, 2.19
CIE _{LCh}	54, 29.148, 175.697
Y _{xy}	22.1824, 0.2569, 0.3659
Android (android.graphics.Color)	4282355581 (0xFF3F8F7D)
YUV	117.0280, 3.9302, -47.3826
Hunter-Lab	47.0982, -23.3957, 4.1818

Details

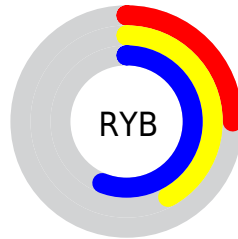
The Yxy color **22.1824, 0.2569, 0.3659** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9880, 0.4353, 0.2980**, and the grayscale version is **17.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9984, 0.2692, 0.3566**, and **8.1761, 0.2392, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **21.6912, 0.2512, 0.3738**, and if you desaturate by 10%, it is **22.8003, 0.2643, 0.3583**.

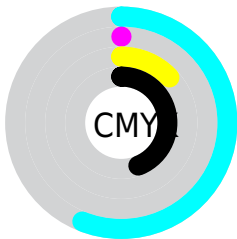
Distribution



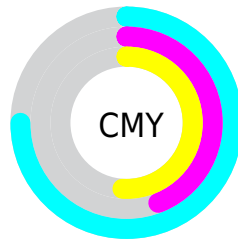
- Red (25%)
- Green (56%)
- Blue (49%)



- Red (25%)
- Yellow (42%)
- Blue (56%)



- Cyan (56%)
- Magenta (0%)
- Yellow (13%)
- Black (44%)



- Cyan (75%)
- Magenta (44%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1824, 0.2569, 0.3659 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 22.1824, 0.2569, 0.3659 by changing the saturation by 10% instead.


 22.1824, 0.2569,
0.3659


 22.1824, 0.2569,
0.3659


263.4973, 0.2882,
0.3450


 13.9910, 0.2477,
0.3722


 47.0473, 0.2692,
0.3576


 8.1144, 0.2349,
0.3809


 64.4895, 0.2736,
0.3547


 4.1682, 0.2160,
0.3941

 85.7842, 0.2771,
0.3523

 1.7681, 0.1852,
0.4163

 111.3156, 0.2801,
0.3504

 0.4672, 0.0000,
0.5677

 141.4683, 0.2826,
0.3487

 0.0000, 0.0000,
0.0000

176.6265, 0.2847,

0.3473

217.1747, 0.2866,
0.3461

■ 22.1824, 0.2569,
0.3659

■ 22.1824, 0.2569,
0.3659

■ 21.6912, 0.2512,
0.3738

■ 22.8003, 0.2643,
0.3583

■ 21.3144, 0.2472,
0.3818

■ 23.5509, 0.2731,
0.3511

■ 21.0417, 0.2451,
0.3899

■ 24.4431, 0.2831,
0.3443

■ 20.8563, 0.2448,
0.3980

■ 25.4841, 0.2941,
0.3380

■ 20.7901, 0.2448,
0.4012

■ 26.6806, 0.3056,
0.3322

■ 28.0390, 0.3176,
0.3269

■ 29.5653, 0.3297,
0.3222

■ 31.2651, 0.3419,
0.3180

■ 33.1440, 0.3539,
0.3143

Harmonies

Analogous

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



22.1824, 0.3032, 0.4091



22.1824, 0.2569, 0.3659



22.1824, 0.2269, 0.3134

Triad

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



22.1824, 0.2569, 0.3659



22.1824, 0.2662, 0.2477



22.1824, 0.4166, 0.3740

Complementary

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



22.1824, 0.2569, 0.3659



9.9880, 0.4353, 0.2980

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.



22.1824, 0.4064, 0.3331



22.1824, 0.2569, 0.3659



22.1824, 0.3155, 0.2638

Square

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



22.1824, 0.2569, 0.3659



22.1824, 0.2321, 0.2496



22.1824, 0.3680, 0.2941



22.1824, 0.3966, 0.4083

Rectangle

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



22.1824, 0.2569, 0.3659



22.1824, 0.2188, 0.2837



22.1824, 0.3680, 0.2941



22.1824, 0.4167, 0.3606

Sweetspot

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



22.1833, 0.2569, 0.3659



45.3568, 0.2925, 0.3388



21.7832, 0.3212, 0.4938



10.3231, 0.2905, 0.3399



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.



22.1833, 0.2569, 0.3659



38.6593, 0.2500, 0.3757



16.8772, 0.2348, 0.2845



6.0959, 0.3018, 0.3340



18.3849, 0.2447, 0.4008



0.1791, 0.2342, 0.3630

Inverse Universe

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



9.9880, 0.4353, 0.2980



14.5706, 0.4810, 0.2944



12.5906, 0.4492, 0.3667



5.4427, 0.3248, 0.3241



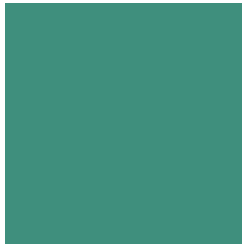
5.2591, 0.5947, 0.3050



0.0531, 0.4952, 0.2501

Previews

White Background



This preview shows how the Yxy color 22.1824, 0.2569, 0.3659 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 22.1824, 0.2569, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

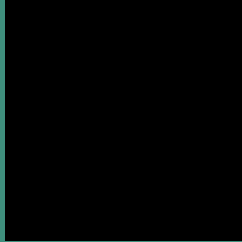
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1824, 0.2569, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 22.1824, 0.2569, 0.3659.

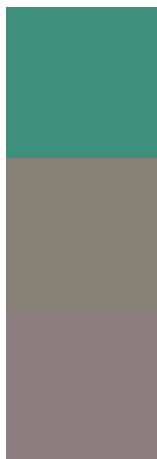


This preview shows how white text looks on a background with the Yxy color 22.1824, 0.2569, 0.3659.

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

22.1824, 0.2569, 0.3659

Protanopia

21.7910, 0.3322, 0.3487

Deuteranopia

21.9149, 0.3276, 0.3222



Tritanopia

22.0773, 0.2423, 0.3058

Trichromacy



Original Color

22.1824, 0.2569, 0.3659

Protanomaly

21.3193, 0.2983, 0.3540

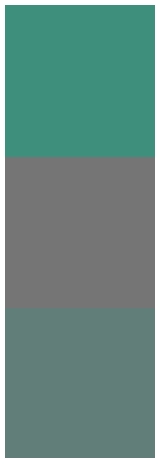
Deuteranomaly

21.5718, 0.2957, 0.3364

Tritanomaly

21.9744, 0.2471, 0.3249

Monochromacy



Original Color

22.1824, 0.2569, 0.3659

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8192, 0.2860, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1824, 0.2569, 0.3659 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(63, 143, 125)` looks like.

```
.text, #text, p{  
    color:rgb(63, 143, 125)  
}
```

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(63, 143, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 143, 125) }
```

Border

The CSS property to change the border of an element to Yxy 22.1824, 0.2569, 0.3659 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(63, 143, 125) }
```

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

```
.border{ border-color:rgb(63, 143, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 143, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 143, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 143, 125);  
box-shadow:4px 4px 4px 4px rgb(63, 143,  
125) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.1824, 0.2569, 0.3659$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 143, 125) }
```

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

```
.background{ background-color: rgb(63, 143,  
125) }
```

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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