

Converting Colors

$Y_{xy}(21.8645, 0.2569, 0.3674)$

Have a look what the booklet for
Yxy(21.8645, 0.2569, 0.3674)
contains.

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Color

Yxy(21.8254, 0.2567, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	3E8E7C
RGB	62, 142, 124
RGB Percent	24%, 56%, 49%
CMY	0.7567, 0.4431, 0.5137
CMYK	0.56, 0.00, 0.13, 0.44
HSL	166°, 39%, 40%
HSV	166°, 56%, 56%
XYZ	15.2992, 21.8254, 22.4750
YIQ	116.0280, -41.9020, -22.5580

Conversions

Conversions Part 2

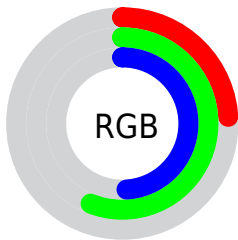
Format	Color
R_{YB}	62, 107, 142
Decimal	4099708
CIE _{Lab}	53.84, -29.05, 2.22
CIE _{LCh}	54, 29.138, 175.634
Yxy	21.8254, 0.2567, 0.3662
Android (android.graphics.Color)	4282289788 (0xFF3E8E7C)
YUV	116.0280, 3.9302, -47.3826
Hunter-Lab	46.7177, -23.3002, 4.1790

Details

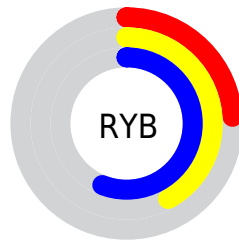
The Yxy color **21.8254, 0.2567, 0.3662** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7795, 0.4364, 0.2978**, and the grayscale version is **17.4745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3964, 0.2696, 0.3583**, and **7.9902, 0.2394, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **21.3458, 0.2510, 0.3741**, and if you desaturate by 10%, it is **22.4293, 0.2640, 0.3586**.

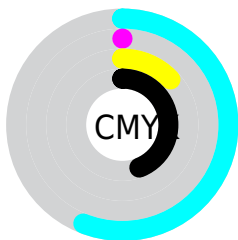
Distribution



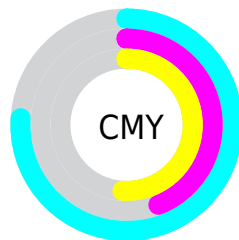
- Red (24%)
- Green (56%)
- Blue (49%)



- Red (24%)
- Yellow (42%)
- Blue (56%)



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




- Cyan (76%)
- Magenta (44%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8254, 0.2567, 0.3662 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 21.8254, 0.2567, 0.3662 by changing the saturation by 10% instead.


 21.8254, 0.2567,
0.3662


 21.8254, 0.2567,
0.3662


261.6331, 0.2882,
0.3451


 13.7287, 0.2474,
0.3725


 46.4573, 0.2691,
0.3578


 7.9322, 0.2345,
0.3815


 63.7612, 0.2735,
0.3549


 4.0516, 0.2153,
0.3950

 84.9029, 0.2771,
0.3525

 1.7025, 0.1834,
0.4179

 110.2669, 0.2800,
0.3505

 0.4253, 0.0000,
0.5800

 140.2375, 0.2825,
0.3488

 0.0000, 0.0000,
0.0000

175.1992, 0.2847,

0.3474

215.5362, 0.2866,
0.3462

■ 21.8254, 0.2567,
0.3662

■ 21.8254, 0.2567,
0.3662

■ 21.3458, 0.2510,
0.3741

■ 22.4293, 0.2640,
0.3586

■ 20.9784, 0.2471,
0.3821

■ 23.1636, 0.2728,
0.3513

■ 20.7129, 0.2451,
0.3902

■ 24.0367, 0.2828,
0.3445

■ 20.5320, 0.2448,
0.3983

■ 25.0560, 0.2937,
0.3382

■ 20.4723, 0.2448,
0.4013

■ 26.2280, 0.3052,
0.3324

■ 27.5591, 0.3172,
0.3271

■ 29.0550, 0.3293,
0.3224

■ 30.7215, 0.3414,
0.3182

■ 32.5638, 0.3534,
0.3145

Harmonies

Analogous

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



21.8254, 0.3033, 0.4096



21.8254, 0.2567, 0.3662



21.8254, 0.2265, 0.3134

Triad

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



21.8254, 0.2567, 0.3662



21.8254, 0.2659, 0.2473



21.8254, 0.4171, 0.3741

Complementary

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



21.8254, 0.2567, 0.3662



9.7795, 0.4364, 0.2978

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.



21.8254, 0.4068, 0.3330



21.8254, 0.2567, 0.3662



21.8254, 0.3154, 0.2635

Square

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



21.8254, 0.2567, 0.3662



21.8254, 0.2317, 0.2493



21.8254, 0.3682, 0.2938



21.8254, 0.3970, 0.4086

Rectangle

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



21.8254, 0.2567, 0.3662



21.8254, 0.2184, 0.2835



21.8254, 0.3682, 0.2938



21.8254, 0.4172, 0.3607

Sweetspot

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



21.8263, 0.2567, 0.3662



43.9853, 0.2925, 0.3388



21.4297, 0.3212, 0.4948



9.7525, 0.2906, 0.3399



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.



21.8263, 0.2567, 0.3662



37.4206, 0.2496, 0.3766



16.5743, 0.2344, 0.2842



6.0958, 0.3018, 0.3340



18.3842, 0.2447, 0.4009



0.1791, 0.2342, 0.3630

Inverse Universe

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



9.7795, 0.4364, 0.2978



13.9292, 0.4846, 0.2943



12.3405, 0.4503, 0.3669



5.4427, 0.3248, 0.3241



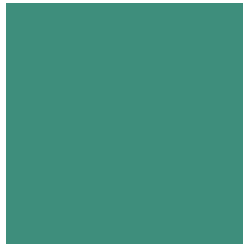
5.2592, 0.5947, 0.3050



0.0531, 0.4950, 0.2501

Previews

White Background



This preview shows how the Yxy color 21.8254, 0.2567, 0.3662 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 21.8254, 0.2567, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

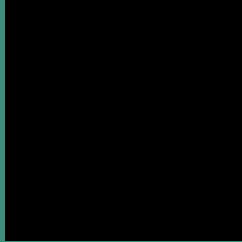
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8254, 0.2567, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 21.8254, 0.2567, 0.3662.

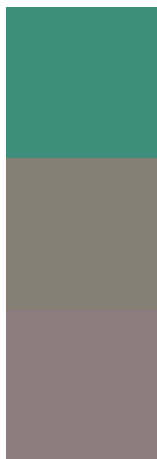


This preview shows how white text looks on a background with the Yxy color 21.8254, 0.2567, 0.3662.

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

21.8254, 0.2567, 0.3662

Protanopia

21.4262, 0.3324, 0.3488

Deuteranopia

21.5493, 0.3277, 0.3221



Tritanopia

21.7186, 0.2420, 0.3057

Trichromacy



Original Color

21.8254, 0.2567, 0.3662

Protanomaly

20.9602, 0.2982, 0.3542

Deuteranomaly

21.2096, 0.2956, 0.3365

Tritanomaly

21.6173, 0.2468, 0.3248

Monochromacy



Original Color

21.8254, 0.2567, 0.3662

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.4859, 0.2859, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8254, 0.2567, 0.3662 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(62, 142, 124)` looks like.

```
.text, #text, p{  
  color:rgb(62, 142, 124)  
}
```

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(62, 142, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 142, 124) }
```

Border

The CSS property to change the border of an element to Yxy 21.8254, 0.2567, 0.3662 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(62, 142, 124) }
```

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

```
.border{ border-color:rgb(62, 142, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 142, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 142, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 142, 124);  
box-shadow:4px 4px 4px 4px rgb(62, 142,  
124) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.8254, 0.2567, 0.3662$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 142, 124) }
```

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

```
.background{ background-color: rgb(62, 142,  
124) }
```

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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