

Converting Colors

$Yxy(21.9746, 0.2582, 0.3361)$

Have a look what the booklet for
Yxy(21.9746, 0.2582, 0.3361)
contains.

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Color

Yxy(21.8625, 0.2575, 0.3348)

Conversions

Conversions Part 1

Format	Color
Hex	4E8B88
RGB	78, 139, 136
RGB Percent	31%, 55%, 53%
CMY	0.6943, 0.4549, 0.4667
CMYK	0.44, 0.00, 0.02, 0.45
HSL	177°, 28%, 43%
HSV	177°, 44%, 55%
XYZ	16.8148, 21.8625, 26.6229
YIQ	120.4190, -35.3930, -13.8650

Conversions

Conversions Part 2

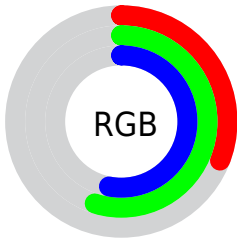
Format	Color
R_{YB}	78, 109, 139
Decimal	5147528
CIE _{Lab}	53.88, -20.52, -4.58
CIE _{LCh}	54, 21.029, 192.576
Yxy	21.8625, 0.2575, 0.3348
Android (android.graphics.Color)	4283337608 (0xFF4E8B88)
YUV	120.4190, 7.6814, -37.2015
Hunter-Lab	46.7574, -17.6335, -1.0286

Details

The Yxy color **21.8625, 0.2575, 0.3348** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.5254, 0.4173, 0.3237**, and the grayscale version is **18.9037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6393, 0.2698, 0.3345**, and **7.9988, 0.2369, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **21.3179, 0.2484, 0.3363**, and if you desaturate by 10%, it is **22.5330, 0.2681, 0.3333**.

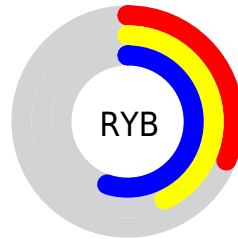
Distribution



Red (31%)

Green (55%)

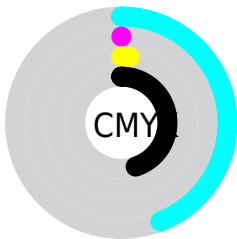
Blue (53%)



Red (31%)

Yellow (43%)

Blue (55%)

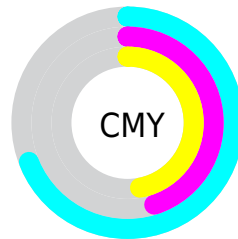


Cyan (44%)

Magenta (0%)

Yellow (2%)

Black (45%)



Cyan (69%)

Magenta (45%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8625, 0.2575, 0.3348 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 21.8625, 0.2575, 0.3348 by changing the saturation by 10% instead.

21.8625, 0.2575,
0.3348

21.8625, 0.2575,
0.3348

261.8274, 0.2882,
0.3320

13.7559, 0.2486,
0.3354

46.5186, 0.2695,
0.3338

7.9511, 0.2364,
0.3361

63.8370, 0.2737,
0.3335

4.0637, 0.2185,
0.3367

84.9946, 0.2772,
0.3331

1.7092, 0.1901,
0.3367

110.3761, 0.2801,
0.3328

0.4296, 0.0000,
0.3529

140.3657, 0.2826,
0.3326

0.0000, 0.0000,
0.0000

175.3479, 0.2847,

0.3324

215.7069, 0.2866,
0.3322

■ 21.8625, 0.2575,
0.3348

■ 21.8625, 0.2575,
0.3348

■ 21.3179, 0.2484,
0.3363

■ 22.5330, 0.2681,
0.3333

■ 20.8888, 0.2411,
0.3379

■ 23.3341, 0.2801,
0.3319

■ 20.5672, 0.2355,
0.3395


■ 24.2733, 0.2932,
0.3306


■ 20.3431, 0.2318,
0.3411

■ 25.3568, 0.3071,
0.3294

■ 20.2041, 0.2297,
0.3427


■ 26.5903, 0.3216,
0.3284

 20.1381, 0.2288,
0.3436

 27.9795, 0.3363,
0.3274

 29.5295, 0.3512,
0.3265

 31.2453, 0.3660,
0.3257

 33.1318, 0.3804,
0.3251

Harmonies

Analogous

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



21.8625, 0.2863, 0.3704



21.8625, 0.2575, 0.3348



21.8625, 0.2434, 0.3000

Triad

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



21.8625, 0.2575, 0.3348



21.8625, 0.2985, 0.2735



21.8625, 0.3828, 0.3785

Complementary

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



21.8625, 0.2575, 0.3348



11.5254, 0.4173, 0.3237

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.



21.8625, 0.3874, 0.3507



21.8625, 0.2575, 0.3348



21.8625, 0.3370, 0.2922

Square

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



21.8625, 0.2575, 0.3348



21.8625, 0.2659, 0.2674



21.8625, 0.3703, 0.3197



21.8625, 0.3589, 0.3953

Rectangle

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



21.8625, 0.2575, 0.3348



21.8625, 0.2435, 0.2826



21.8625, 0.3703, 0.3197



21.8625, 0.3868, 0.3701

Sweetspot

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



21.8634, 0.2575, 0.3348



43.5786, 0.2941, 0.3306



20.7672, 0.3095, 0.4591



9.9587, 0.2914, 0.3308



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.



21.8634, 0.2575, 0.3348



38.1505, 0.2482, 0.3364



14.9678, 0.2457, 0.2716



5.6844, 0.2997, 0.3301



18.1732, 0.2288, 0.3435



0.1213, 0.2266, 0.3356

Inverse Universe

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



11.5254, 0.4173, 0.3237



17.0770, 0.4568, 0.3228



16.2298, 0.4002, 0.3794



5.0523, 0.3273, 0.3280



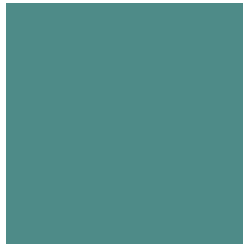
4.9684, 0.6324, 0.3257



0.0335, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 21.8625, 0.2575, 0.3348 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 21.8625, 0.2575, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

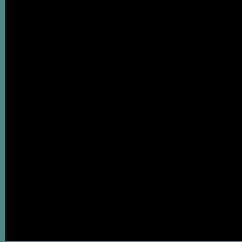
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8625, 0.2575, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 21.8625, 0.2575, 0.3348.



This preview shows how white text looks on a background with the Yxy color 21.8625, 0.2575, 0.3348.

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

21.8625, 0.2575, 0.3348

Protanopia

21.7691, 0.3140, 0.3272

Deuteranopia

21.7656, 0.3103, 0.3050



Tritanopia

21.8233, 0.2507, 0.3079

Trichromacy



Original Color

21.8625, 0.2575, 0.3348

Protanomaly

21.5480, 0.2896, 0.3289

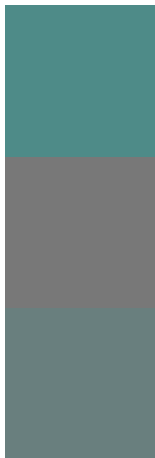
Deuteranomaly

21.4451, 0.2878, 0.3143

Tritanomaly

21.9399, 0.2533, 0.3173

Monochromacy



Original Color

21.8625, 0.2575, 0.3348

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.6884, 0.2887, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8625, 0.2575, 0.3348 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(78, 139, 136)` looks like.

```
.text, #text, p{  
    color:rgb(78, 139, 136)  
}
```

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(78, 139, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 139, 136) }
```

Border

The CSS property to change the border of an element to Yxy 21.8625, 0.2575, 0.3348 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(78, 139, 136) }
```

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

```
.border{ border-color:rgb(78, 139, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 139, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 139, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 139, 136);  
box-shadow:4px 4px 4px 4px rgb(78, 139,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8625, 0.2575, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 139, 136) }
```

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

```
.background{ background-color: rgb(78, 139,  
136) }
```

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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