

Converting Colors

$Y_{xy}(21.9445, 0.2458, 0.3462)$

Have a look what the booklet for
Yxy(21.9445, 0.2458, 0.3462)
contains.

Yxy(21.8795, 0.2453, 0.3452) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(21.8795, 0.2453, 0.3452)

Conversions

Conversions Part 1	
Format	Color
Hex	378E86
RGB	55, 142, 134
RGB Percent	22%, 56%, 53%
CMY	0.7846, 0.4431, 0.4745
CMYK	0.61, 0.00, 0.06, 0.44
HSL	174°, 44%, 39%
HSV	174°, 61%, 56%
XYZ	15.5476, 21.8795, 25.9550
YIQ	115.0750, -49.2840, -20.9320

Conversions

Conversions Part 2

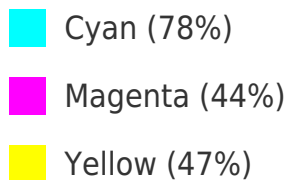
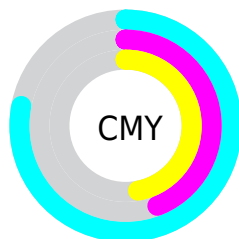
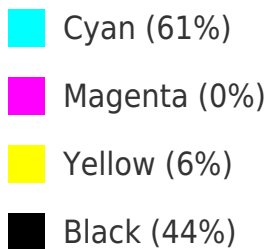
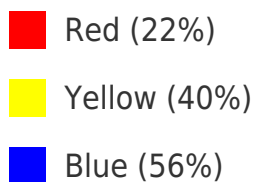
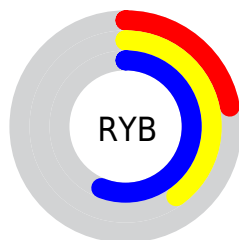
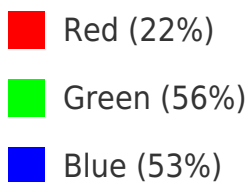
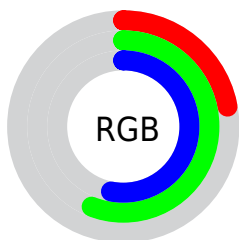
Format	Color
RYB	55, 101, 142
Decimal	3640966
CIELab	53.90, -27.84, -3.49
CIELCh	54, 28.056, 187.151
Yxy	21.8795, 0.2453, 0.3452
Android (android.graphics.Color)	4281831046 (0xFF378E86)
YUV	115.0750, 9.3300, -52.6858
Hunter-Lab	46.7755, -22.5259, -0.1562

Details

The Yxy color `21.8795, 0.2453, 0.3452` is a dark color, and the websafe version is hex `339999`. A complement of this color would be `8.8344, 0.4801, 0.3162`, and the grayscale version is `17.1444, 0.3127, 0.3290`.

A 20% lighter version of the original color is `46.5125, 0.2602, 0.3419`, and `8.1380, 0.2299, 0.3478` is the 20% darker color. If you saturate the color by 10%, you get `21.4998, 0.2396, 0.3483`, and if you desaturate by 10%, it is `22.3767, 0.2528, 0.3422`.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8795, 0.2453, 0.3452 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 21.8795, 0.2453, 0.3452 by changing the saturation by 10% instead.

 21.8795, 0.2453,
0.3452


 21.8795, 0.2453,
0.3452


261.9163, 0.2827,
0.3366


 13.7684, 0.2345,
0.3475


 46.5468, 0.2599,
0.3420


 7.9597, 0.2197,
0.3504


 63.8717, 0.2651,
0.3408


 4.0692, 0.1982,
0.3543


 85.0367, 0.2693,
0.3398

 1.7123, 0.1643,
0.3594

 110.4261, 0.2729,
0.3390

 0.4316, 0.0000,
0.3767

 140.4244, 0.2759,
0.3383

 0.0000, 0.0000,
0.0000

175.4160, 0.2785,

0.3377

215.7851, 0.2808,
0.3371

■ 21.8795, 0.2453,
0.3452

■ 21.8795, 0.2453,
0.3452

■ 21.4998, 0.2396,
0.3483

■ 22.3767, 0.2528,
0.3422

■ 21.2249, 0.2356,
0.3513

■ 22.9979, 0.2620,
0.3393

■ 21.0435, 0.2335,
0.3544


■ 23.7520, 0.2726,
0.3365


■ 20.9327, 0.2325,
0.3570


■ 24.6465, 0.2845,
0.3339

■ 25.6883, 0.2973,
0.3315

 26.8837, 0.3109,
0.3293

 28.2389, 0.3249,
0.3273

 29.7596, 0.3391,
0.3255

 31.4511, 0.3533,
0.3238

Harmonies

Analogous

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



21.8795, 0.2853, 0.3928



21.8795, 0.2453, 0.3452



21.8795, 0.2238, 0.2968

Triad

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



21.8795, 0.2453, 0.3452



21.8795, 0.2847, 0.2542



21.8795, 0.4090, 0.3868

Complementary

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



21.8795, 0.2453, 0.3452



8.8344, 0.4801, 0.3162

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.



21.8795, 0.4106, 0.3485



21.8795, 0.2453, 0.3452



21.8795, 0.3353, 0.2756

Square

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



21.8795, 0.2453, 0.3452



21.8795, 0.2451, 0.2491



21.8795, 0.3829, 0.3090



21.8795, 0.3804, 0.4144

Rectangle

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



21.8795, 0.2453, 0.3452



21.8795, 0.2214, 0.2722



21.8795, 0.3829, 0.3090



21.8795, 0.4129, 0.3747

Sweetspot

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



21.8803, 0.2453, 0.3452



43.9696, 0.2882, 0.3332



20.7020, 0.3106, 0.5163



9.7194, 0.2849, 0.3338



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.



21.8803, 0.2453, 0.3452



37.6808, 0.2377, 0.3495



13.3148, 0.2230, 0.2532



6.1079, 0.3002, 0.3310



18.7926, 0.2325, 0.3569



0.1813, 0.2283, 0.3418

Inverse Universe

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



8.8344, 0.4801, 0.3162



12.5622, 0.5426, 0.3164



13.2978, 0.4535, 0.3896



5.4316, 0.3268, 0.3270



5.1910, 0.6261, 0.3223



0.0509, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 21.8795, 0.2453, 0.3452 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 21.8795, 0.2453, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

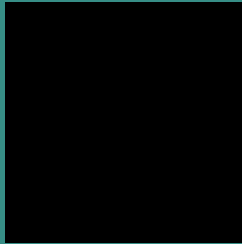
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8795, 0.2453, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 21.8795, 0.2453, 0.3452.

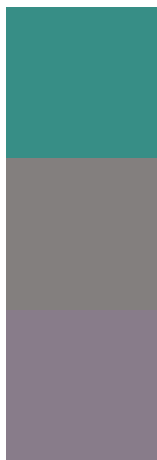


This preview shows how white text looks on a background with the Yxy color 21.8795, 0.2453, 0.3452.

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

21.8795, 0.2453, 0.3452

Protanopia

21.5104, 0.3186, 0.3308

Deuteranopia

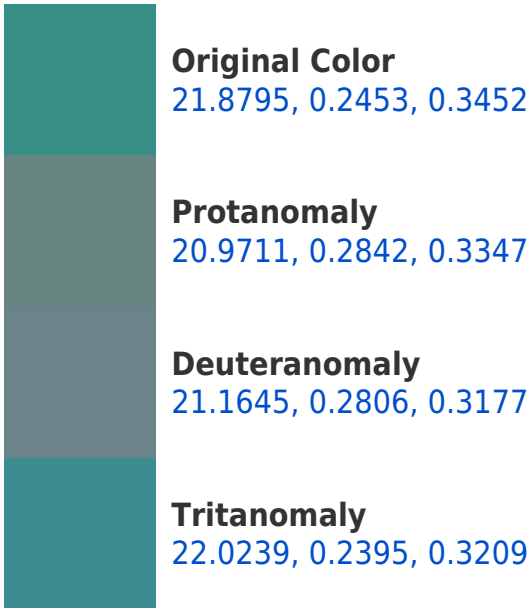
21.4845, 0.3115, 0.3049



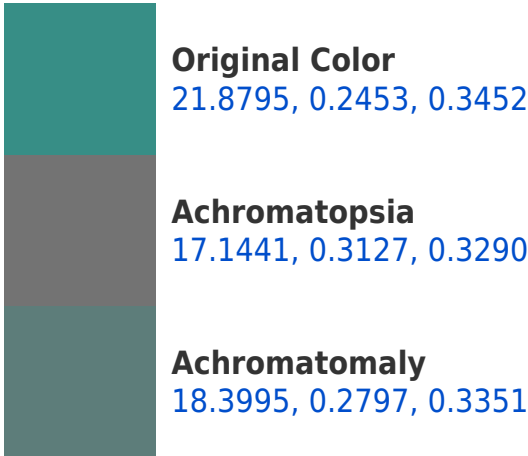
Tritanopia

22.0147, 0.2367, 0.3075

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8795, 0.2453, 0.3452 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(55, 142, 134) looks like.

```
.text, #text, p{  
    color:rgb(55, 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(55, 142, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 142, 134) }
```

Border

The CSS property to change the border of an element to Yxy 21.8795, 0.2453, 0.3452 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(55, 142, 134) }
```

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

```
.border{ border-color:rgb(55, 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(55, 142, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 142, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 142, 134);  
box-shadow:4px 4px 4px 4px rgb(55, 142,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8795, 0.2453, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 142, 134) }
```

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

```
.background{ background-color: rgb(55, 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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