

Converting Colors

$Y_{xy}(25.7675, 0.2425, 0.3138)$

Have a look what the booklet for
Yxy(25.7675, 0.2425, 0.3138)
contains.

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Color

$Y_{xy}(25.6978, 0.2424, 0.3142)$

Conversions

Conversions Part 1	
Format	Color
Hex	49969E
RGB	73, 150, 158
RGB Percent	29%, 59%, 62%
CMY	0.7137, 0.4118, 0.3804
CMYK	0.54, 0.05, 0.00, 0.38
HSL	186°, 37%, 45%
HSV	186°, 54%, 62%
XYZ	19.8254, 25.6978, 36.2648
YIQ	127.8890, -48.4600, -13.8360

Conversions

Conversions Part 2

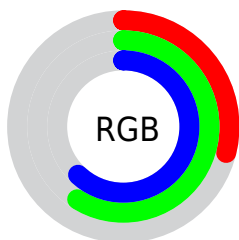
Format	Color
RYB	73, 113, 158
Decimal	4822686
CIELab	57.75, -21.36, -11.48
CIELCh	58, 24.247, 208.262
Yxy	25.6978, 0.2424, 0.3142
Android (android.graphics.Color)	4283012766 (0xFF49969E)
YUV	127.8890, 14.8447, -48.1377
Hunter-Lab	50.6930, -18.9036, -6.9298

Details

The Yxy color $25.6978, 0.2424, 0.3142$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $13.6352, 0.4578, 0.3421$, and the grayscale version is $21.5064, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.6570, 0.2567, 0.3169$, and $9.9852, 0.2185, 0.3066$ is the 20% darker color. If you saturate the color by 10%, you get $24.6864, 0.2336, 0.3110$, and if you desaturate by 10%, it is $26.8740, 0.2529, 0.3173$.

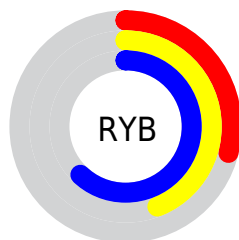
Distribution



Red (29%)

Green (59%)

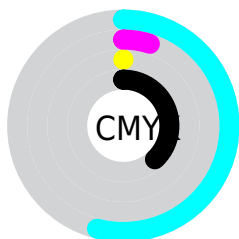
Blue (62%)



Red (29%)

Yellow (44%)

Blue (62%)

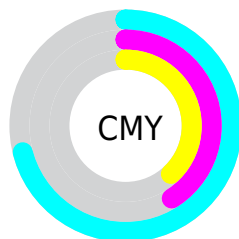


Cyan (54%)

Magenta (5%)

Yellow (0%)

Black (38%)



Cyan (71%)


Magenta (41%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6978, 0.2424, 0.3142 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 25.6978, 0.2424, 0.3142 by changing the saturation by 10% instead.


 25.6978, 0.2424,
0.3142


 25.6978, 0.2424,
0.3142


281.2954, 0.2802,
0.3232


 16.5977, 0.2321,
0.3113


 52.7870, 0.2568,
0.3179


 9.9481, 0.2183,
0.3070


 71.5449, 0.2620,
0.3192


 5.3645, 0.1991,
0.3005


 94.2909, 0.2663,
0.3202

 2.4627, 0.1706,
0.2891

 121.4093, 0.2699,
0.3210

 0.8579, 0.0944,
0.2756

 153.2846, 0.2730,
0.3217

 0.0000, 0.0000,
0.0000


190.3011, 0.2757,

0.3223


232.8433, 0.2781,
0.3228


 25.6978, 0.2424,
0.3142

 25.6978, 0.2424,
0.3142

 24.6864, 0.2336,
0.3110


 26.8740, 0.2529,
0.3173


 23.8246, 0.2267,
0.3079


 28.2229, 0.2648,
0.3202


 23.0997, 0.2215,
0.3047

 29.7554, 0.2780,
0.3231

 22.4948, 0.2182,
0.3015

 31.4806, 0.2921,
0.3257


 22.1533, 0.2166,
0.2996

 33.4071, 0.3070,
0.3281

 35.5428, 0.3222,
0.3304

 37.8953, 0.3375,
0.3324

 40.4718, 0.3528,
0.3342

 43.2791, 0.3679,
0.3357

Harmonies

Analogous

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



25.6978, 0.2658, 0.3547



25.6978, 0.2424, 0.3142



25.6978, 0.2368, 0.2817

Triad

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



25.6978, 0.2424, 0.3142



25.6978, 0.3190, 0.2779



25.6978, 0.3776, 0.3946

Complementary

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



25.6978, 0.2424, 0.3142



13.6352, 0.4578, 0.3421

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.



25.6978, 0.3947, 0.3690



25.6978, 0.2424, 0.3142



25.6978, 0.3598, 0.3037

Square

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



25.6978, 0.2424, 0.3142



25.6978, 0.2788, 0.2637



25.6978, 0.3883, 0.3361



25.6978, 0.3434, 0.4035

Rectangle

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



25.6978, 0.2424, 0.3142



25.6978, 0.2434, 0.2683



25.6978, 0.3883, 0.3361



25.6978, 0.3856, 0.3874

Sweetspot

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



25.6988, 0.2424, 0.3142



56.3442, 0.2885, 0.3251



26.4521, 0.3002, 0.4834



12.5643, 0.2858, 0.3245



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.6988, 0.2424, 0.3142



44.4165, 0.2317, 0.3103



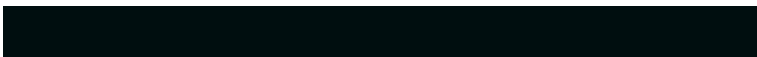
14.6984, 0.2258, 0.2316



7.4027, 0.2988, 0.3268



17.7721, 0.2166, 0.2998



0.3457, 0.2201, 0.3124

Inverse Universe

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



14.2363, 0.3298, 0.2135



21.7644, 0.3344, 0.1932



21.8137, 0.4176, 0.4078



6.7438, 0.3151, 0.3090



7.4163, 0.3456, 0.1677



0.1354, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 25.6978, 0.2424, 0.3142 looks on a white background.

Color Contrast Check

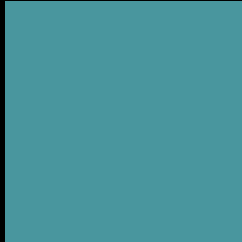
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6978, 0.2424, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

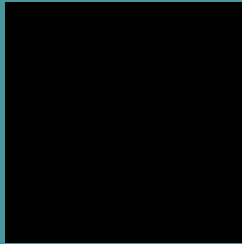
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6978, 0.2424, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 25.6978, 0.2424, 0.3142.

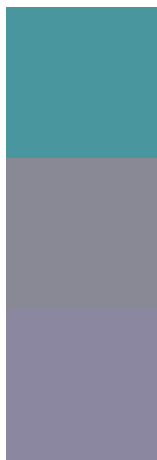


This preview shows how white text looks on a background with the Yxy color 25.6978, 0.2424, 0.3142.

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

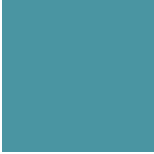
25.6978, 0.2424, 0.3142

Protanopia

25.4117, 0.2997, 0.3075

Deuteranopia

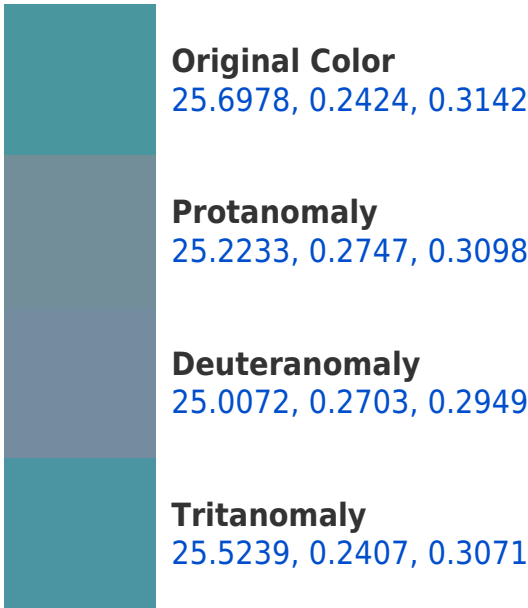
25.4766, 0.2923, 0.2874



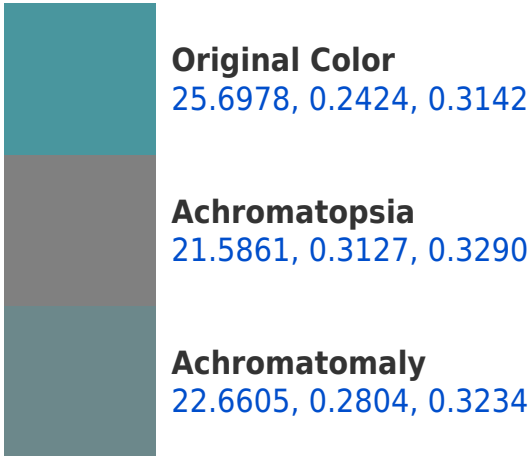
Tritanopia

25.5594, 0.2400, 0.3053

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6978, 0.2424, 0.3142 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(73, 150, 158)` looks like.

```
.text, #text, p{  
    color:rgb(73, 150, 158)  
}
```


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(73, 150, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 150, 158) }
```

Border

The CSS property to change the border of an element to Yxy 25.6978, 0.2424, 0.3142 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(73, 150, 158) }
```


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

```
.border{ border-color:rgb(73, 150, 158) }
```

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

Here you see how a box with a 4 pixel rgb(73, 150, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 150, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 150, 158);  
box-shadow:4px 4px 4px 4px rgb(73, 150,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6978, 0.2424, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 150, 158) }
```

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

```
.background{ background-color: rgb(73, 150,  
158) }
```

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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