

Converting Colors

$Y_{xy}(22.7720, 0.2352, 0.3358)$

Have a look what the booklet for
Yxy(22.7720, 0.2352, 0.3358)
contains.

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Color

$\text{Yxy}(22.6752, 0.2351, 0.3348)$

Conversions

Conversions Part 1	
Format	Color
Hex	29918E
RGB	41, 145, 142
RGB Percent	16%, 57%, 56%
CMY	0.8392, 0.4314, 0.4431
CMYK	0.72, 0.00, 0.02, 0.43
HSL	178°, 56%, 36%
HSV	178°, 72%, 57%
XYZ	15.9228, 22.6752, 29.1296
YIQ	113.5620, -61.0210, -22.9810

Conversions

Conversions Part 2

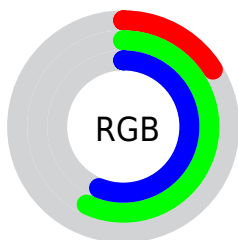
Format	Color
RYB	41, 94, 145
Decimal	2724238
CIELab	54.74, -29.27, -6.91
CIELCh	55, 30.070, 193.289
Yxy	22.6752, 0.2351, 0.3348
Android (android.graphics.Color)	4280914318 (0xFF29918E)
YUV	113.5620, 14.0199, -63.6369
Hunter-Lab	47.6185, -23.6452, -2.9365

Details

The Yxy color $22.6752, 0.2351, 0.3348$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $7.7888, 0.5404, 0.3256$, and the grayscale version is $16.6621, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7159, 0.2512, 0.3331$, and $8.7781, 0.2263, 0.3348$ is the 20% darker color. If you saturate the color by 10%, you get $22.4182, 0.2309, 0.3357$, and if you desaturate by 10%, it is $23.0438, 0.2412, 0.3339$.

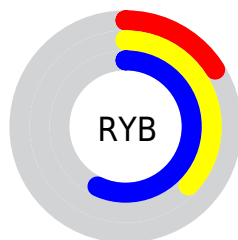
Distribution



Red (16%)

Green (57%)

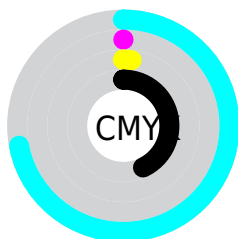
Blue (56%)



Red (16%)

Yellow (37%)

Blue (57%)

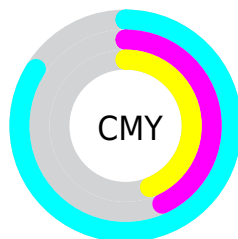


Cyan (72%)

Magenta (0%)

Yellow (2%)

Black (43%)



Cyan (84%)


Magenta (43%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6752, 0.2351, 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 22.6752, 0.2351, 0.3348 by changing the saturation by 10% instead.


 22.6752, 0.2351,
0.3348

 22.6752, 0.2351,
0.3348


 266.0523, 0.2777,
0.3325


 14.3539, 0.2231,
0.3350


 47.8595, 0.2515,
0.3342

 8.3672, 0.2069,
0.3349


 65.4912, 0.2574,
0.3339

 4.3308, 0.1838,
0.3341


 86.9951, 0.2623,
0.3336

 1.8603, 0.1487,
0.3309

 112.7557, 0.2663,
0.3333

 0.5243, 0.0000,
0.3316

 143.1573, 0.2698,
0.3331

 0.0000, 0.0000,
0.0000

 178.5844, 0.2728,

0.3329

219.4212, 0.2754,
0.3327

■ 22.6752, 0.2351,
0.3348

■ 22.6752, 0.2351,
0.3348

■ 22.4182, 0.2309,
0.3357

■ 23.0438, 0.2412,
0.3339

■ 22.2576, 0.2283,
0.3366


■ 23.5322, 0.2490,
0.3330

■ 22.1690, 0.2271,
0.3374


■ 24.1509, 0.2586,
0.3321


■ 24.9085, 0.2698,
0.3313

■ 25.8128, 0.2822,
0.3305

 26.8710, 0.2958,
0.3298

 28.0900, 0.3102,
0.3291

 29.4761, 0.3251,
0.3285

 31.0354, 0.3403,
0.3280

Harmonies

Analogous

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



22.6752, 0.2737, 0.3877



22.6752, 0.2351, 0.3348



22.6752, 0.2172, 0.2857

Triad

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



22.6752, 0.2351, 0.3348



22.6752, 0.2933, 0.2536



22.6752, 0.4104, 0.3970

Complementary

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



22.6752, 0.2351, 0.3348



7.7888, 0.5404, 0.3256

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.



22.6752, 0.4187, 0.3578



22.6752, 0.2351, 0.3348



22.6752, 0.3477, 0.2791

Square

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



22.6752, 0.2351, 0.3348



22.6752, 0.2484, 0.2444



22.6752, 0.3953, 0.3159



22.6752, 0.3751, 0.4228

Rectangle

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



22.6752, 0.2351, 0.3348



22.6752, 0.2179, 0.2626



22.6752, 0.3953, 0.3159



22.6752, 0.4166, 0.3848

Sweetspot

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



22.6761, 0.2351, 0.3348



46.0960, 0.2813, 0.3306



20.9576, 0.3043, 0.5504



10.1649, 0.2782, 0.3307



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.



22.6761, 0.2351, 0.3348



39.9530, 0.2291, 0.3363



10.9688, 0.2068, 0.2212



6.1137, 0.2994, 0.3296



19.0154, 0.2270, 0.3373



0.1823, 0.2258, 0.3327

Inverse Universe

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



7.7888, 0.5404, 0.3256



11.6374, 0.6052, 0.3270



13.4155, 0.4760, 0.4069



5.4264, 0.3277, 0.3284



5.1719, 0.6357, 0.3275



0.0498, 0.6150, 0.3162

Previews

White Background



This preview shows how the Yxy color 22.6752, 0.2351, 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 22.6752, 0.2351, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

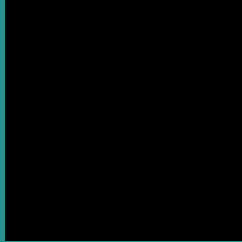
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6752, 0.2351, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 22.6752, 0.2351, 0.3348.

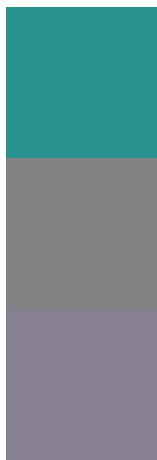


This preview shows how white text looks on a background with the Yxy color 22.6752, 0.2351, 0.3348.

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

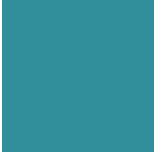
22.6752, 0.2351, 0.3348

Protanopia

22.2995, 0.3119, 0.3220

Deuteranopia

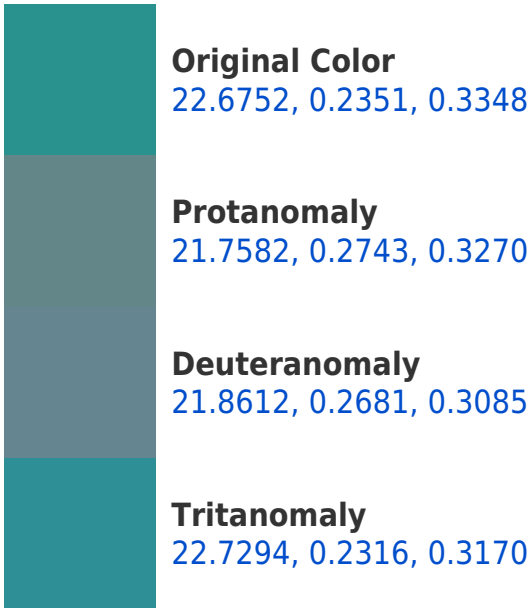
22.4050, 0.3016, 0.2968



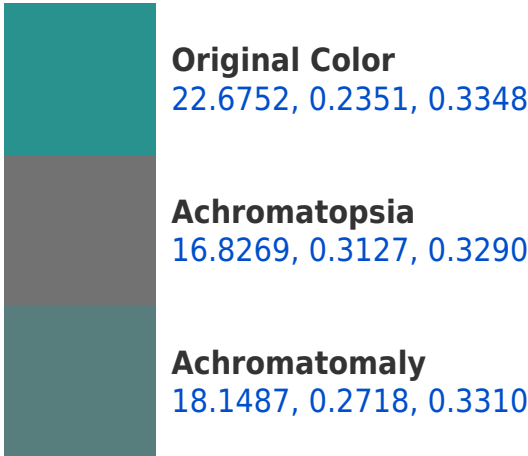
Tritanopia

22.6644, 0.2293, 0.3056

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6752, 0.2351, 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(41, 145, 142) looks like.

```
.text, #text, p{  
    color:rgb(41, 145, 142)  
}
```

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(41, 145, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 145, 142) }
```

Border

The CSS property to change the border of an element to Yxy 22.6752, 0.2351, 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(41, 145, 142) }
```

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

```
.border{ border-color:rgb(41, 145, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 145, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 145, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 145, 142);  
box-shadow:4px 4px 4px 4px rgb(41, 145,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6752, 0.2351, 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(41, 145, 142) }
```

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

```
.background{ background-color: rgb(41, 145,  
142) }
```

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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