

Converting Colors

$Y_{xy}(32.2253, 0.2221, 0.3138)$

Have a look what the booklet for
Yxy(32.2253, 0.2221, 0.3138)
contains.

Yxy(32.1327, 0.2220, 0.3134)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.1327, 0.2220, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	12AAB3
RGB	18, 170, 179
RGB Percent	7%, 67%, 70%
CMY	0.9285, 0.3333, 0.2981
CMYK	0.90, 0.05, 0.00, 0.30
HSL	183°, 82%, 39%
HSV	183°, 90%, 70%
XYZ	22.7615, 32.1327, 47.6351
YIQ	125.5780, -93.4810, -29.4250

Conversions

Conversions Part 2

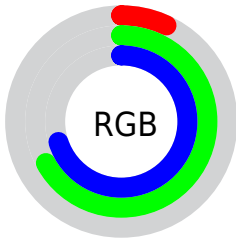
Format	Color
RYB	18, 96, 179
Decimal	1223347
CIELab	63.45, -31.97, -14.84
CIELCh	63, 35.247, 204.902
Yxy	32.1327, 0.2220, 0.3134
Android (android.graphics.Color)	4279413427 (0xFF12AAB3)
YUV	125.5780, 26.3370, -94.3459
Hunter-Lab	56.6857, -27.5253, -10.1436

Details

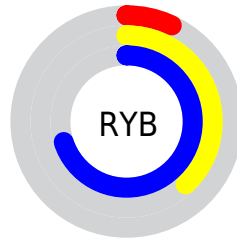
The Yxy color **32.1327, 0.2220, 0.3134** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4184, 0.6139, 0.3350**, and the grayscale version is **20.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1576, 0.2390, 0.3174**, and **14.2289, 0.2187, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **31.6320, 0.2199, 0.3116**, and if you desaturate by 10%, it is **32.7565, 0.2255, 0.3153**.

Distribution



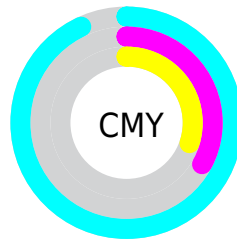
- Red (7%)
- Green (67%)
- Blue (70%)



- Red (7%)
- Yellow (38%)
- Blue (70%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (30%)





- Cyan (93%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1327, 0.2220, 0.3134 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 32.1327, 0.2220, 0.3134 by changing the saturation by 10% instead.


 32.1327, 0.2220,
0.3134


 32.1327, 0.2220,
0.3134


311.7233, 0.2686,
0.3232


 21.4629, 0.2101,
0.3102


 63.0191, 0.2391,
0.3175


 13.4628, 0.1948,
0.3057


 84.0044, 0.2455,
0.3188


 7.7480, 0.1745,
0.2989


 109.1970, 0.2509,
0.3199

 3.9341, 0.1463,
0.2876

 138.9813, 0.2555,
0.3208

 1.6368, 0.1038,
0.2675

 173.7417, 0.2594,
0.3216

 0.3822, 0.0000,
0.1987

213.8626, 0.2629,

 0.0000, 0.0000,

0.3222

0.0000

259.7283, 0.2659,
0.3227

■ 32.1327, 0.2220,
0.3134

■ 32.1327, 0.2220,
0.3134

■ 31.6320, 0.2199,
0.3116

■ 32.7565, 0.2255,
0.3153

■ 31.6228, 0.2199,
0.3115

■ 33.5430, 0.2308,
0.3171

■ 34.5146, 0.2379,
0.3190

■ 35.6891, 0.2470,
0.3209

■ 37.0825, 0.2577,
0.3227

■ 38.7088, 0.2699,
0.3244

■ 40.5812, 0.2834,
0.3261

■ 42.7116, 0.2979,
0.3276

■ 45.1113, 0.3130,
0.3290

Harmonies

Analogous

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



32.1327, 0.2542, 0.3700



32.1327, 0.2220, 0.3134



32.1327, 0.2126, 0.2686

Triad

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



32.1327, 0.2220, 0.3134



32.1327, 0.3139, 0.2592



32.1327, 0.4029, 0.4124

Complementary

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



32.1327, 0.2220, 0.3134



10.4184, 0.6139, 0.3350

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.



32.1327, 0.4238, 0.3752



32.1327, 0.2220, 0.3134



32.1327, 0.3704, 0.2908

Square

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



32.1327, 0.2220, 0.3134



32.1327, 0.2619, 0.2426



32.1327, 0.4121, 0.3318



32.1327, 0.3583, 0.4305

Rectangle

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



32.1327, 0.2220, 0.3134



32.1327, 0.2193, 0.2503



32.1327, 0.4121, 0.3318



32.1327, 0.4130, 0.4014

Sweetspot

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



32.1339, 0.2220, 0.3134



70.0993, 0.2730, 0.3248



32.4358, 0.2990, 0.5857



15.2948, 0.2686, 0.3242



91.1408, 0.3127, 0.3290



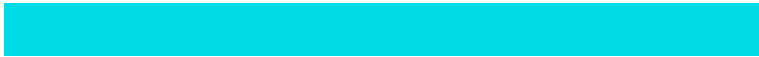
17.8868, 0.3127, 0.3290

Same Dimension

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



32.1339, 0.2220, 0.3134



56.5425, 0.2198, 0.3113



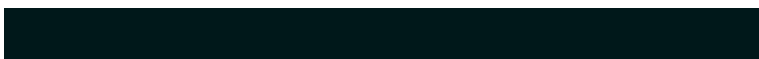
10.7930, 0.1806, 0.1612



9.5486, 0.2986, 0.3277



22.3859, 0.2199, 0.3118



0.7288, 0.2214, 0.3169

Inverse Universe

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



12.9230, 0.3335, 0.1654



22.2837, 0.3356, 0.1623



20.0657, 0.5069, 0.4253



8.6384, 0.3146, 0.3078



8.8000, 0.3352, 0.1620



0.2794, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 32.1327, 0.2220, 0.3134 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.1327, 0.2220, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

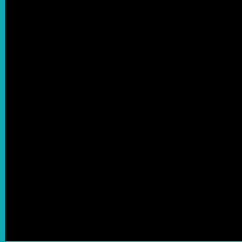
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1327, 0.2220, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 32.1327, 0.2220, 0.3134.

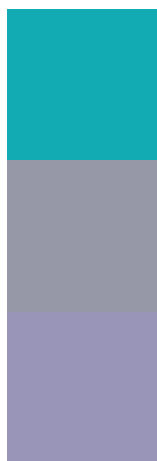


This preview shows how white text looks on a background with the Yxy color 32.1327, 0.2220, 0.3134.

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

32.1327, 0.2220, 0.3134

Protanopia

31.8258, 0.2981, 0.3064

Deuteranopia

31.6310, 0.2844, 0.2781



Tritanopia

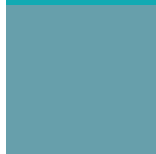
32.0144, 0.2207, 0.3051

Trichromacy



Original Color

32.1327, 0.2220, 0.3134



Protanomaly

30.6201, 0.2558, 0.3091



Deuteranomaly

30.3749, 0.2480, 0.2887



Tritanomaly

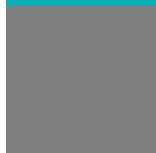
31.9355, 0.2207, 0.3067

Monochromacy



Original Color

32.1327, 0.2220, 0.3134



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.4166, 0.2583, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1327, 0.2220, 0.3134 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(18, 170, 179)` looks like.

```
.text, #text, p{  
    color:rgb(18, 170, 179)  
}
```

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(18, 170, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 170, 179) }
```

Border

The CSS property to change the border of an element to Yxy 32.1327, 0.2220, 0.3134 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(18, 170, 179) }
```

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

```
.border{ border-color:rgb(18, 170, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 170, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 170, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 170, 179);  
box-shadow:4px 4px 4px 4px rgb(18, 170,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1327, 0.2220, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 170, 179) }
```

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

```
.background{ background-color: rgb(18, 170,  
179) }
```

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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