

Converting Colors

$Yxy(33.0783, 0.2367, 0.3227)$

Have a look what the booklet for
Yxy(33.0783, 0.2367, 0.3227)
contains.

Yxy(32.9293, 0.2366, 0.3220)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9293, 0.2366, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	41AAAE
RGB	65, 170, 174
RGB Percent	25%, 67%, 68%
CMY	0.7452, 0.3333, 0.3175
CMYK	0.63, 0.02, 0.00, 0.32
HSL	182°, 46%, 47%
HSV	182°, 63%, 68%
XYZ	24.1959, 32.9293, 45.1397
YIQ	139.0610, -63.8640, -21.0160

Conversions

Conversions Part 2

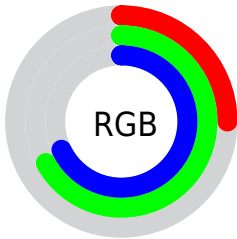
Format	Color
RYB	65, 118, 174
Decimal	4303534
CIELab	64.10, -28.39, -11.02
CIElCh	64, 30.451, 201.216
Yxy	32.9293, 0.2366, 0.3220
Android (android.graphics.Color)	4282493614 (0xFF41AAAE)
YUV	139.0610, 17.2249, -64.9515
Hunter-Lab	57.3841, -25.1579, -6.4702

Details

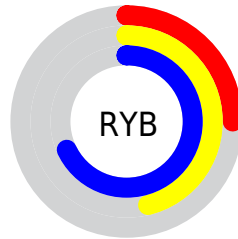
The Yxy color **32.9293, 0.2366, 0.3220** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6413, 0.5044, 0.3349**, and the grayscale version is **25.7938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4098, 0.2513, 0.3251**, and **14.1277, 0.2213, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **32.1851, 0.2302, 0.3208**, and if you desaturate by 10%, it is **33.8601, 0.2449, 0.3232**.

Distribution



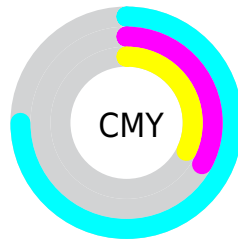
- Red (25%)
- Green (67%)
- Blue (68%)



- Red (25%)
- Yellow (46%)
- Blue (68%)



- Cyan (63%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)




- Cyan (75%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9293, 0.2366, 0.3220 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 32.9293, 0.2366, 0.3220 by changing the saturation by 10% instead.


 32.9293, 0.2366,
0.3220


 32.9293, 0.2366,
0.3220


315.3310, 0.2759,
0.3267

 22.0723, 0.2265,
0.3203


 64.2651, 0.2511,
0.3241


 13.9100, 0.2133,
0.3179


 85.5127, 0.2565,
0.3247


 8.0581, 0.1956,
0.3141


 110.9927, 0.2610,
0.3252

 4.1322, 0.1706,
0.3075

 141.0893, 0.2649,
0.3257

 1.7478, 0.1334,
0.2948

 176.1871, 0.2682,
0.3260

 0.4543, 0.0000,
0.2593

216.6704, 0.2711,

 0.0000, 0.0000,

0.3263

0.0000

262.9236, 0.2736,
0.3265

■ 32.9293, 0.2366,
0.3220

■ 32.9293, 0.2366,
0.3220

■ 32.1851, 0.2302,
0.3208

■ 33.8601, 0.2449,
0.3232

■ 31.6063, 0.2256,
0.3195

■ 34.9891, 0.2549,
0.3244

■ 31.1733, 0.2228,
0.3183

■ 36.3310, 0.2666,
0.3256

■ 30.9154, 0.2215,
0.3175

■ 37.8983, 0.2796,
0.3267

■ 39.7025, 0.2937,
0.3278

■ 41.7543, 0.3086,
0.3288

■ 44.0637, 0.3241,
0.3297

■ 46.6402, 0.3398,
0.3305

■ 49.4927, 0.3555,
0.3312

Harmonies

Analogous

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



32.9293, 0.2672, 0.3696



32.9293, 0.2366, 0.3220



32.9293, 0.2255, 0.2814

Triad

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



32.9293, 0.2366, 0.3220



32.9293, 0.3081, 0.2656



32.9293, 0.3941, 0.3984

Complementary

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



32.9293, 0.2366, 0.3220



13.6413, 0.5044, 0.3349

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.



32.9293, 0.4083, 0.3656



32.9293, 0.2366, 0.3220



32.9293, 0.3567, 0.2921

Square

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



32.9293, 0.2366, 0.3220



32.9293, 0.2643, 0.2530



32.9293, 0.3946, 0.3275



32.9293, 0.3581, 0.4152

Rectangle

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



32.9293, 0.2366, 0.3220



32.9293, 0.2297, 0.2635



32.9293, 0.3946, 0.3275



32.9293, 0.4017, 0.3886

Sweetspot

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



32.9305, 0.2366, 0.3220



69.7564, 0.2842, 0.3271



31.8318, 0.3016, 0.5222



15.3082, 0.2803, 0.3268



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.9305, 0.2366, 0.3220



57.9404, 0.2283, 0.3203



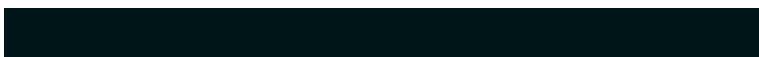
16.6418, 0.2137, 0.2215



9.0206, 0.2987, 0.3281



22.4345, 0.2216, 0.3176



0.6394, 0.2226, 0.3212

Inverse Universe

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



15.6832, 0.3247, 0.1914



24.4256, 0.3271, 0.1732



23.5847, 0.4453, 0.4115



8.1429, 0.3143, 0.3075



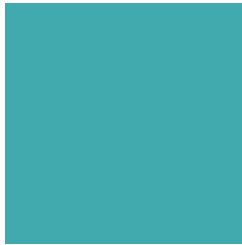
8.5678, 0.3302, 0.1593



0.2399, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 32.9293, 0.2366, 0.3220 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 32.9293, 0.2366, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

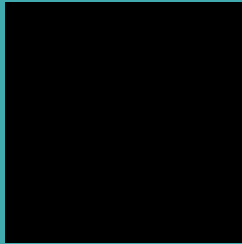
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9293, 0.2366, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 32.9293, 0.2366, 0.3220.

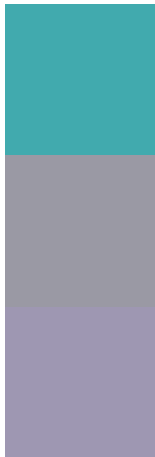


This preview shows how white text looks on a background with the Yxy color 32.9293, 0.2366, 0.3220.

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

32.9293, 0.2366, 0.3220

Protanopia

32.3328, 0.3037, 0.3125

Deuteranopia

32.6167, 0.2952, 0.2900



Tritanopia

33.0185, 0.2335, 0.3074

Trichromacy



Original Color

32.9293, 0.2366, 0.3220



Protanomaly

31.7610, 0.2723, 0.3145



Deuteranomaly

31.9131, 0.2670, 0.2993



Tritanomaly

32.8596, 0.2347, 0.3122

Monochromacy



Original Color

32.9293, 0.2366, 0.3220



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

27.5244, 0.2750, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9293, 0.2366, 0.3220 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(65, 170, 174)` looks like.

```
.text, #text, p{  
    color:rgb(65, 170, 174)  
}
```

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(65, 170, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 170, 174) }
```

Border

The CSS property to change the border of an element to Yxy 32.9293, 0.2366, 0.3220 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(65, 170, 174) }
```

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

```
.border{ border-color:rgb(65, 170, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 170, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 170, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 170, 174);  
box-shadow:4px 4px 4px 4px rgb(65, 170,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9293, 0.2366, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 170, 174) }
```

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

```
.background{ background-color: rgb(65, 170,  
174) }
```

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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